CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, June 1, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See Issue.
June				
*1	Irrigation canals.	Glendive, Mont.	P & S	4- 6
*1	Telephone system.	Glendive, Mont.	S	5- 4
*1	Conduit work.	Boston, Mass.	S	5-18
*2	Water-works.	Bristol, Vt.	P & S	5-18
3	Dredging.	Norfolk, Va.	S	5-25
5	Sidewalks, granolithic.	Grenada, Miss.	S	5-18
*5	Paving.	Gloversville, N. Y.	S	5-25
*6	Reservoir, etc.	Northfield, Vt.	S	5-18
*6	Water tunnel.	Toronto, Ont.	P & S	5- 4
10	Court-house.	Plaquemine, La.	P & S	5- 4
12	Pipe, well.	Whittier, Cal.	S	5-18
*12	Electric power.	Winnipeg, Man.	B. S.	5-18
*12	Terrace wall.	Holyoke, Mass.	P & S	5-25
*15	Pacing, brick.	Corning, N. Y.	S	5-25
*15	Irrigation work.	Hazen, Nev.	S	5- 4
*15	Pathfinder dam.	Denver, Colo.	P & S	5- 4
*15	Irrigation canals.	Boise, Idaho.	P & S	4-27
*15	Telephone line.	Boise, Idaho.	S	4-27
24	Reservoir (Cuba).	Washington, D. C.	S	5-18
*28	Irrigation canals.	Billings, Mont.	P & S	5- 4
*30	Pumping machinery, etc.	Toledo, O.	S	6- 1
July				
*1	Municipal building.	Washington, D. C.	S	6- 1
Aug.				
26	Coaling plant.	Philippines	S	5- 4
Sept.				
1	Steel manufacture.	New S. Wales.	S	3-23

*Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

June 5. Vapor lamps, Wichita, Kan. ..... May 25
June 5. Lighting, Meaford, Ont. ..... June 1
June 6. Street lighting, Shelbyville, Tenn. ..... May 11
June 6. City lighting, N. Tonawanda, N. Y. ..... May 18
June 8. Gas supply, Newport, Ky. ..... Apr. 27
June 8. Lighting, Wilmington, N. C. ..... May 25
June 10. Heating, power plant, etc., Wash., D. C. ..... May 25
Advertised, Eng. News, May 25 and June 1.
June 12. Electric power, Winnipeg, Man. ..... May 18
Advertised, Eng. News, May 18 and 25.
June 14. Lighting plant, Kearney, N. J. ..... June 1
Advertised, Eng. News, June 1-8.
June 15. Power plant, Middleburg, Pa. ..... May 25
June 16. Generating set, Grand Haven, Mich. ..... June 1

BRIDGES.

June 3. Bridge, Mifflintown, Pa. ..... May 18
June 3. Bridges, steel, Tavistock, Ont. ..... June 1
June 5. Bridges, Pontiac, Mich. ..... June 1
Advertised, Eng. News, May 25.
June 5. Bridge, concrete, Alpena, Mich. ..... June 1
June 5. Bridge, Mt. Prospect, Ill. ..... June 1
June 5. Bridge, concrete, Arlington Heights, Ill. ..... June 1
June 5. Bridges, steel, Garnett, Kan. ..... June 1
June 5. Bridges, steel, Mt. Vernon, Ind. ..... June 1
June 5. Fill, St. Paul, Minn. ..... June 1
June 5. Arches, Wilkesbarre, Pa. ..... May 18
June 5. Bridge, Rutland, Vt. ..... May 18
Advertised, Engineering News, May 18.
June 5. Bridges, Plymouth, Ind. ..... May 18
June 5. Bridge, steel, Bloomfield, Ind. ..... May 25
June 5. Bridge, steel, Lancaster, Pa. ..... May 25
June 5. Bridge, steel, Fulton, Miss. ..... May 25
June 5. Bridge, Versailles, Ind. ..... May 25
June 6. Bridge, steel, Mitchell, Ont. ..... May 25
June 6. Bridges, Fargo, N. Dak. ..... May 25
June 6. Bridge, steel, Perth, Ont. ..... May 18
June 6. Bridges, Ft. Smith, Ark. ..... May 18
June 6. Bridge, Marion, O. ..... May 18
June 6. Bridge, Dayton, O. ..... May 11
Advertised, Eng. News, May 11 to June 8.
June 6. Bridges, Oregon, Mo. ..... June 1
June 6. Bridges, Wabash, Ind. ..... June 1
June 6. Bridges, Plymouth, Ind. ..... June 1
June 7. Bridges, steel, Iola, Kan. ..... May 25
June 7. Bridge, Lafayette, Ind. ..... May 25
June 9. Trestle, Tacoma, Wash. ..... June 1
June 10. Bridges, etc., Cleveland, O. ..... June 1
June 10. Bridges, Rockville, Ind. ..... May 25
June 13. Bridge, Miniota, Man. ..... May 25
June 13. Bridges, Napa, Cal. ..... May 25
June 15. Steel trestle, Louisville, Ky. ..... May 25
June 15. Bridge, Cartersville, Ga. ..... May 25
June 15. Truss bridge, Ainsworth, Neb. ..... May 25
June 15. Bridge, Elmira, N. Y. ..... June 1
Advertised, Eng. News, June 1 and 8.
June 17. Bridge, etc., Chesley, Ont. ..... May 18

BUILDINGS.

June 2. Church, St. Paul, Minn. ..... May 18
June 2. Building, Washington, Ind. ..... May 11
June 2. Buildings, Tulalip, Wash. ..... May 11
June 2. Hospital, Nevada, Mo. ..... May 25
June 3. Building, Indianapolis, Ind. ..... May 25
June 3. Brick and cement, Washington, D. C. ..... May 25
June 5. Jail, Belmont, Nev. ..... May 25
June 5. Post-office, Crawfordsville, Ind. ..... May 4
Advertised, Eng. News, May 4 and 11.
June 5. Post-office, Craufordsville, Pa. ..... May 18
June 5. Heating plant, Marion, Ind. ..... June 1
June 5. Laundry (mfg. plant), Edwardsville, Ill. ..... June 1
June 5. School, East St. Louis, Ill. ..... June 1
June 5. Schools, repairs, Albany, N. Y. ..... June 1
June 6. Post-office, Rock Hill, S. C. ..... June 1
June 6. Factory (mfg. pl.), Chicago, Ill. ..... May 18
June 6. Post-office, Rockhill, S. C. ..... Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
June 7. Post-office, Reno, Nev. ..... May 11
June 7. Buildings, Washington, D. C. ..... May 11
Advertised, Eng. News, May 11 to June 8.
June 7. School, Boston, Mass. ..... June 1
June 8. Post-office, Amesbury, Mass. ..... May 11
June 8. Library, Union, N. J. ..... May 18
June 8. Buildings, Ft. Totten, N. Y. ..... May 18
Advertised, Eng. News, May 18 to June 8.
June 8. Blacksmith shop (Mfg. Plants), Ft. Riley, Kan. ..... May 25
June 9. Pumping machinery, Newport News, Va. ..... May 25
June 9. Heating plant, Ft. Scott, Kan. ..... June 1
June 10. Officers' quarters, Ft. Wadsworth, N. Y. ..... June 1
June 10. Court-house, Plaquemine, La. ..... May 4
Advertised, Eng. News, May 4.
June 12. Capitol plans, Boise, Idaho ..... Apr. 13
June 12. School, Cincinnati, O. ..... June 1
June 12. School and library, Ann Arbor, Mich. ..... June 1
June 13. Doors and screens, Ft. Totten, N. Y. ..... June 1
Advertised, Eng. News, June 1 and 8.
June 13. Heating, etc., Indianapolis, Ind. ..... June 1
June 14. Heating, etc., Washington, D. C. ..... June 1
Advertised, Eng. News, June 1 to 22.
June 14. Electric elevator, Savannah, Ga. ..... June 1
June 14. Building, Philadelphia, Pa. ..... May 18
Advertised, Eng. News, May 18 and 25.
June 14. Building materials, Wes Point, N. Y. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 14. Buildings, Lawrence, Ind. ..... May 25
June 15. Buildings, Ft. Wright, Wash. ..... May 25
Advertised, Eng. News, May 25 to June 15.
June 15. Synagogue, Houston, Tex. ..... May 18
June 15. Court-house plans, New Orleans, La. ..... Feb. 23
June 15. Barracks, Oswego, N. Y. ..... June 1
Advertised, Eng. News, June 1 and 8.
June 15. Court-house plans, New Orleans, La. ..... June 1
June 16. Ordnance barracks, Ft. Hancock, N. J. ..... June 1

WATER SUPPLY AND IRRIGATION.

June 2. Engines and boilers, Cincinnati, O. ..... May 4
June 2. Water-works, Bristol, Vt. ..... May 18
Advertised, Eng. News, May 18 and 25.
June 5. Laguna dam, Los Angeles, Cal. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 5. Standpipe, Montgomery, Ala. ..... May 18
Advertised, Eng. News, May 18 and 25.
June 5. Pipe and meters, Winnipeg, Man. ..... May 25
Advertised, Eng. News, May 25 and June 1.
June 5. Well work, St. Paul, Minn. ..... May 25
June 5. Laying mains, Lakewood, O. ..... May 25
June 5. Water-works improvements, Crestline, O. ..... May 25
June 5. Pumping engine, Wilmington, Del. ..... May 25
Advertised, Eng. News, May 25.
June 5. Water-works, Nashwauk, Minn. ..... May 25
June 5. Water-works, Belding, Mich. ..... May 25
June 6. Pipe and laying, etc., Northfield, Vt. ..... May 18
Advertised, Eng. News, May 18.
June 6. Water tunnel, etc., Toronto, Ont. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 6. Pipe, San Jose, Cal. ..... June 1
June 6. Reservoirs, Southbridge, Mass. ..... June 1
June 7. Pipe laying, Cheviot, O. ..... June 1
June 7. Water mains, sewer, etc., Calgary, Alta. ..... June 1
June 7. Water-works, Vineland, N. J. ..... May 25
Advertised, Eng. News, May 25 to June 22.
June 7. Stop cocks, castings, New York, N. Y. ..... May 25
June 8. Reservoir, Soldiers' Home, Cal. ..... May 25
June 8. Irrigation system, Riverside, Cal. ..... May 25
June 8. Water pipe, etc., Newark, N. J. ..... June 1
Advertised, Eng. News, June 1.
June 9. Pumping machinery, Washington, D. C. ..... June 1
June 10. Conduit, Dallas, Tex. ..... June 1
June 10. Irrigation canal, Montpelier, Idaho. ..... May 25
Advertised, Eng. News, May 25.
June 12. Water-works, Whittier, Cal. ..... May 18
June 12. Intake pipe, Oshawa, Ont. ..... June 1
June 13. Pipe laying, Cincinnati, O. ..... May 18
Advertised, Eng. News, May 18 to June 8.
June 14. Deep well, Fort Caswell, N. C. ..... May 25
June 15. Purification plant, Columbus, O. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Irrigation dam, Denver, Colo. ..... May 4
Advertised, Eng. News, May 4 to June 1.
June 15. Irrigation work, bridge, Hazen, Nev. ..... May 4
Advertised, Eng. News, May 4 to June 1.
June 15. Irrigation canals, Boise, Idaho ..... Apr. 27
Advertised, Eng. News Apr. 27 to June 8.
June 15. Tubular well, Fort McPherson, Ga. ..... June 1
June 15. Pipe laying, Oswego, N. Y. ..... June 1
Advertised Eng. News, June 1 and 8.

SEWERAGE.

June 1. Sewers, Mansfield, O. ..... May 25
June 3. Sewers, No. Braddock, Pa. ..... June 1
June 5. Sewers, Albany, N. Y. ..... June 1
June 5. Inlets, Atlantic City, N. J. ..... June 1
Advertised, Eng. News, June 1.
June 5. Sewer, Creston, Ia. ..... June 1
June 5. Sewers, Stevens Point, Wis. ..... May 25
June 5. Sewers, Pasadena, Cal. ..... May 25
June 5. Sewers, Lakewood, O. ..... May 25
June 5. Sewerage, Plainfield, N. J. ..... May 11
June 5. Sewerage disposal, Plainfield, N. J. ..... May 18
Advertised, Eng. News, May 18 and 25.
June 5. Sewer, Webb City, Mo. ..... May 18
June 6. Sewers, New Germany, Minn. ..... June 1
June 6. Sanitary sewer, Sioux City, Ia. ..... June 1
June 6. Sewer, Trenton, N. J. ..... June 1
June 7. Concrete sewer, Gallitzin, Pa. ..... June 1
June 7. Sewers, Marion, O. ..... June 1
June 6. Sewers, Maryville, Mo. ..... May 25
June 6. Sewer, Sonora, Cal. ..... May 25
June 6. Sewers, Rockford, Ill. ..... May 25
Advertised, Eng. News, May 25
June 7. Sewers, Susquehanna, Pa. ..... May 25
June 9. Sewers, Meridian, Miss. ..... May 25
June 9. Drain pipe, Cincinnati, O. ..... May 18
June 10. Sanitary sewers, Xenia, O. ..... June 1
June 10. Sewer pipe, Washington, D. C. ..... June 1
June 12. Sewers, Cambridge, O. ..... May 25
June 13. Sanitary sewer, Milton, Pa. ..... May 25
June 15. Sewer, Cincinnati, O. ..... May 25
June 15. Sewers, Emporia, Va. ..... June 1
June 17. Sewers, Oconto, Wis. ..... May 25
June 20. Sewer, Waterbury, Conn. ..... May 25
Advertised, Eng. News, May 25 to June 15.

STREETS AND ROADS.

June 2. Paving and curbing, Traverse City, Mich. ..... May 25
June 2. Crushed stone and gravel, Cincinnati, O. ..... May 11
June 2. Paving, Boston, Mass. ..... June 1
June 3. Paving, asphalt, Ann Arbor, Mich. ..... May 25
Advertised, Eng. News, May 25.
June 5. Macadam, Kansas City, Kan. ..... May 25
June 5. Grading and graveling, Rockville, Ind. ..... May 25
June 5. Cement walks, Walla Walla, Wash. ..... May 25
June 5. Roads, Bloomfield, Ind. ..... May 25
June 5. Paving, etc., Emporia, Kan. ..... May 25
June 5. Pike road, Bedford, Ind. ..... May 25
June 5. Roads, Winamac, Ind. ..... May 25
June 5. Road, gravel, Rockport, Ind. ..... May 25
June 5. Paving, Gloversville, N. Y. ..... May 25
Advertised, Eng. News, May 25.
June 5. Paving, asphalt, Cincinnati, O. ..... May 11
June 5. Sidewalks, granolithic, Grenada, Miss. ..... May 18
June 5. Paving, bitulithic, Cincinnati, O. ..... May 18
June 5. Cement sidewalks, Antigo, Wis. ..... May 18
June 3. Paving and curbing, Freeport, Ill. ..... June 1
Advertised, Eng. News, June 1.
June 3. Cement walks, Federalsburg, Md. ..... June 1
June 5. Grading, North Yakima, Wash. ..... June 1
June 5. Paving, etc., Albany, N. Y. ..... June 1
June 5. Road, Wells, Nev. ..... June 1
June 5. Paving, sheet asphaltum, Chester, Pa. ..... June 1
June 5. Road, St. Paul, Minn. ..... June 1
June 5. Paving, asphalt, New Orleans, La. ..... June 1
June 6. Paving, Tamaqua, Pa. ..... June 1
Advertised, Eng. News, June 1.
June 6. Road, Sonora, Cal. ..... June 1
June 6. Paving, vitrified brick, Waterbury, Conn. ..... May 11
June 6. Roads, Bloomfield, Ind. ..... May
June 6. Paving, Amsterdam, N. Y. ..... May 25
Advertised, Eng. News, May 25.
June 6. Gravel road, Brownsville, Ind. ..... May 25
June 7. Sidewalks, etc., East Cleveland, O. ..... May 18
June 7. Road, Flemington, N. J. ..... May 18
June 7. Roads, Providence, R. I. ..... June 1
June 8. Paving, brick, Cincinnati, O. ..... May 25
June 10. Asphalt blocks, etc., Washington, D. C. ..... May 25
Advertised, Eng. News, May 25 and June 1.
June 10. Cement sidewalks, Wyoming, O. ..... May 25
June 10. Road, gravel, Bloomfield, Ind. ..... June 1
June 10. Road, Cleveland, O. ..... June 1
June 12. Paving, Houghton, Mich. ..... May 25
June 12. Paving, Cincinnati, O. ..... May 25
June 13. Paving, brick, Painesville, O. ..... June 1
June 14. Paving, etc., Hoboken, N. J. ..... June 1
June 14. Road, Freehold, N. J. ..... June 1
Advertised, Eng. News, May 25 to June 15.
June 14. Paving, etc., Brooklyn, N. Y. ..... June 1
June 14. Paving, etc., Boston, Mass. ..... June 1
June 14. Road, stone, Freehold, N. J. ..... June 1
Advertised, Eng. News, May 25 to June 15.
June 15. Paving, asphalt, Cincinnati, O. ..... May 25
June 15. Paving, brick, Corning, N. Y. ..... May 25
Advertised, Eng. News, May 25 and June 1.
June 15. Paving, bitulithic, Cincinnati, O. ..... May 25
June 16. Road, Cincinnati, O. ..... May 25
June 16. Asphalt plant, New Orleans, La. ..... May 11
Advertised, Eng. News, May 11 to June 22.
June 16. Grading, Lisbon, O. ..... June 1
June 16. Jail, Tawson, Md. ..... June 1
Advertised, Eng. News, June 1 to 22.
June 16. Sidewalks, Terrace Park, O. ..... June 1
June 17. Macadamizing, etc., La Crosse, Wis. ..... June 1

MISCELLANEOUS CONTRACTS.

June 2. Excavation, Grand Rapids, Mich. ..... May 4
Advertised, Eng. News, May 4 to 25.
June 2. Portland cement, New York, N. Y. ..... May 25
June 3. Dredging, Norfolk, Va. ..... May 25
June 3. Dredging, Norfolk, Va. ..... May 18
June 5. Timber, Nashville, Tenn. ..... May 4
Advertised, Eng. News, May 4 to June 1.
June 5. Pier work, Duluth, Minn. ..... May 11
Advertised, Eng. News, May 11 to June 15.
June 5. Dredging, Cleveland, O. ..... May 11
Advertised, Eng. News, May 11 to June 15.
June 5. Dredging, Wilmington, Del. ..... May 11
Advertised, Eng. News, May 11 to June 15.
June 5. Rubbish conveyor, New York, N. Y. ..... May 25
June 5. Breakwaters, Port Stanley, Ont. ..... May 25
June 5. Wharf addition, Governor's Island, N. Y. ..... May 25
June 6. Machine tools, Washington, D. C. ..... May 11
June 6. Nuts, spikes, etc., Washington, D. C. ..... May 11
June 6. Excavation, Buffalo, N. Y. ..... May 11
Advertised, Eng. News, May 11 to June 15.
June 6. Concrete work, Berlin, Ont. ..... June 1
June 8. Drainage ditch, Rapillion, Neb. ..... June 1
June 8. Jetty work, Cleveland, O. ..... May 11
Advertised, Eng. News, May 11 to June 15.
June 8. Protection dikes, Savannah, Ga. ..... May 11
Advertised, Eng. News, May 11 to June 15.
June 8. Boiler, Fennimore, Wis. ..... May 25
June 9. Wharf extension, New Carlisle, Que. ..... May 25
June 10. Dredging, Wilmington, Del. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 10. Cement, Little Rock, Ark. ..... May 18
June 10. Iron work, Little Rock, Ark. ..... May 18
June 10. Traveling crane, Norfolk, Va. ..... May 18
June 10. Wall lockers, Washington, D. C. ..... June 1
Advertised, Eng. News, June 1 and 8.
June 12. Leather belting, etc., Washington, D. C. ..... June 1
Advertised, Eng. News, June 1 and 8.
June 12. Dredging, Boston, Mass. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 12. Dredging, Geneseo, Ill. ..... May 11
Advertised, Eng. News, May 11 to June 1.
June 12. Terrace wall, Holyoke, Mass. ..... May 25
Advertised, Eng. News, May 25 and June 1.
June 13. Locomotives, cars, Washington, D. C. ..... June 1
June 13. Wire cable, cement, etc., Wash., D. C. ..... June 1
June 13. Concrete dam, Iowa City, Ia. ..... June 1
Advertised, Eng. News, May 25 and June 1.
June 13. Ice Pier, Cincinnati, O. ..... May 18
June 14. Rubblestone, Boston, Mass. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Sea wall, National Soldiers' Home, Va. ..... June 1
June 15. Jetty work, New Orleans, La. ..... June 1
Advertised, Eng. News, June 1 and 8.
June 15. Wreck Removal, Jacksonville, Fla. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Excavation work, Washington, D. C. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Steel trestles, etc., Louisville, Ky. ..... May 18
Advertised, Eng. News, May 18 to June 15.
June 15. Telephone line, Boise, Idaho ..... Apr. 27
Advertised, Eng. News, Apr. 27 to June 8.
June 15. Wharf, roadway, etc., Hawaii ..... May 4
June 15. Dredging, Mobile, Ala. ..... May 25
Advertised, Eng. News, May 25 to June 15.
June 16. Dredging, Seattle, Wash. ..... June 1

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATCHISON, TOPEKA & SANTA FE.—LANTRY & SHARP, of Kansas City, Mo., have been awarded contract, it is said, for extending the Eastern New Mexico branch from Willard to Texico, 195 miles.

ATLANTA, BIRMINGHAM & ATLANTIC.—We are informed that construction work has been contracted for, as follows, from Montezuma, Ga., to LaGrange, Ga.: The work between Montezuma and Oglethorpe being let to the MISSOURI CONSTRUCTION CO., with temporary headquarters at Oglethorpe, Ga.; that between Oglethorpe and Talbotton to a firm consisting of C. D. SMITH & CO. and J. B. LEWIS, with temporary headquarters at Oglethorpe, Ga.; that between Talbotton, Ga., and Warm Springs, Ga., to the CALLAHAN CONSTRUCTION Co., of Knoxville, Tenn., and the work between Warm Springs, Ga., and LaGrange, Ga., let to C. D. SMITH & CO. and J. B. LEWIS, with temporary headquarters at Oglethorpe, Ga. The trestle work and concrete work between Montezuma and LaGrange, about 96 miles, has not yet been let. Engineers are continuing location on line from LaGrange to Birmingham, and on line from Atlanta to Birmingham, and company will call for proposals on this as soon as engineers can get as much as 50 miles located.

CANON CITY & GREAT WESTERN.—Contracts will be let soon for construction of this railway from Canon City to Beulah, Colo., 40 miles, with branches into various coal camps in Custer county. The incorporators are Frank D. Heath and J. P. Fleishel, of Canon City; C. F. Weller, of Omaha; Senator A. G. Forney and Hiram Hitchcock, of Wichita, Kan., and A. G. Griffin, of Kansas City, Mo. They are backed by the Denver & Rio Grande Railway company and the proposed line will become a valuable feeder for that system, according to report. A contract was let for 25 miles of steel rails, and for 110,000 ties, to be delivered within two months. Two locomotives and 20 freight cars will be ready for delivery by June 1.

CANADIAN PACIFIC.—A contract, it is reported, has been awarded by this company to GEORGE S. DEEKS & CO., for building the southern section of branch from Toronto to Sudbury. The contract covers the portion of the road between Parry Sound and Bolton, a distance of 128 miles.

DULUTH, MISSABE & NORTHERN.—We are advised that preliminary survey from Hibbing, Mich., to Grand Rapids or Mississippi River, was run last winter, but that company may not build this extension. H. L. Dresser, Duluth, Minn., is Ch. Engr.

FORDING VALLEY RAILWAY.—Company has been chartered to build a line from Michel, B. C., north 30 miles, through coal fields owned by the Imperial Coal Co. John Brown and Andrew Laidlaw, of Spokane, Wash., own the controlling interest in the Imperial Coal Co. W. R. Wilson, of Michel, B. C., is Gen. Mgr.

GRAND TRUNK PACIFIC.—It is announced that work will begin this month on first sections of this projected railway line. We are informed that surveys will be nearly completed this year. There are now over 40 parties of engineers in the field. Surveys and construction of this 1,800-mile railway are undertaken by the Dominion Government. H. C. Lumsden, Ottawa, Ont., is Ch. Engr. President Charles M. Hays has stated that the work is to be carried through with the joint financial support of the Dominion Government and the Grand Trunk Ry. Co., of Canada. It will consist of a main line of an estimated length of about 3,500 miles, from Moncton, N. B., to a port on the Pacific Ocean at or near Port Simpson, B. C. The 1,800 miles from Moncton to Winnipeg, called the Eastern Division, will follow the most direct practicable route, passing through the city of Quebec, and will be built by the government of Canada. The 1,700 miles from Winnipeg to the Pacific Ocean, called the Western Division, will be built by and owned by the company. The company is also authorized to build certain branches, of which probably the most important is the Lake Superior branch. Upon completion, the Eastern Division will be leased to the Grand Trunk Pacific Co. for 50 years. The Western Division extends from Winnipeg, Man., to the Pacific coast, and will be constructed by the company, the government aiding by guaranteeing first mortgage bonds to the extent of $13,000 per mile for the prairie section from Winnipeg to the Rocky Mountains, and three-quarters of whatever the cost per mile may be from the mountains to the Pacific coast, called the Mountain Section; the remaining cost of the line is to be provided by the Grand Trunk Railway, which will guarantee the bonds for the amount required to complete it.

GREAT NORTHERN.—SIMS & SHIELDS, of St. Paul, Minn., who have general contract for a 22-mile line in Similkameen valley, between Oroville, Wash., and international boundry line, have sub-let contracts to WINTERS, PARSONS & BOOMER, PORTER BROS., JONES & ONSUED and CAUGHRAN & WOLDSON, all of Spokane.

KANSAS CITY, NEVADA & SPRINGFIELD.—It is reported that contracts are let, as follows, for the construction of this road: J. F. KEISER, Springfield, Mo., ten mile of line, including all bridge and masonry work; PARSONS IMPROVEMENT & CONSTRUCTION CO., of Parsons, Kan., 20 miles; JOPLIN CONSTRUCTION CO., Joplin, Mo., 20 miles. The Commercial Club, of Nevada, Mo., is interested in plan to raise bonus for this line.

LAKE SHORE & MICHIGAN SOUTHERN.—The four-tracking of this railway between Cleveland, O., and Buffalo, N. Y., will be actively carried on this year, it is reported, and that about 70 miles of new track will be built on eastern division. A westbound freight track, and possibly also an eastbound track, will be built from Lakeview to Angels, Pa., four miles. Other work considered is the construction of a westbound freight track, 32 miles long, from Dunkirk to Northeast; an eastbound track five miles long, from Northeast, Pa., to Stateline; a westbound track, 12 miles long, from Conneaut to Lockwood; an eastbound track, five miles long, from tower No. 2 to Conneaut; and an eastbound track, five miles long, from Springfield to Girard, O.

LOUISIANA.—M. J. Scanlon, D. L. Brooks, H. E. Gipson, and A. Z. Brooks of Minneapolis, Minn., have purchased 50,000 acres of pine lands near Amite, La. A railroad will be built; also a saw mill.

LOUISIANA.—Charles W. Goodyear and Frank H. Goodyear, of Buffalo, N. Y., will build a 150-mile railroad in Louisiana and Mississippi. It will run from Slidell, La., through timber lands owned by the Goodrich interests, following the Pearl River valley, through parishes of St. Tammany, Washington and Tangipohoa, in Louisiana, and through Marion and Lawrence counties in Mississippi. A city will be built on this new line with good drainage and water supply. Surveys are being run.

MICHIGAN CENTRAL. — According to Chief Engineer W. S. Kinnear, of Detroit, Mich., work will be begun soon on proposed railroad tunnel under Detroit River, connecting the Michigan division with the Canadian Southern division. It will cost $7,500,000. It will require over two years to build it. There will be two tunnels running parallel, two miles long.

MISSOURI, KANSAS & TEXAS.—President F. N. Finney, of St. Louis, has conferred with Oklahoma City, Okla., Chamber of Commerce regarding an extension of the M., K & T. Ry., from that city southwest to Wichita Falls, or Henrietta, Tex. J. W. Petheram, Dallas, Tex., is Ch. Engr., of Texas system.

Construction of terminal in Kansas City, Mo., will begin soon at Rosedale and in "West bottoms." The Missouri, Kansas & Texas Terminal Co. has been incorporated to construct and operate this terminal system. F. W. Fratt, Ch. Engr. of the Terminal Co., is in charge.

MONTANA.—B. E. Vail, Pres. of Bear Creek Coal Co., Red Lodge, Mont., announces that a railway will be built soon into Bear Creek coal fields. The plan is to build 18 miles of railway. Motive power is not determined.

MORGANTOWN & KINGWOOD.—A newspaper report from Baltimore states that nearly all of the $100,000 which Senator Stephen B. Elkins, of Elkins, W. Va., provided should be raised by private subscription before he would extend the Morgantown & Kingwood to Rowlesburg, W. Va., has been subscribed. Senator Elkins will contribute a like sum. J. K. Monroe, Kingswood, W. Va., is Ch. Engr.

MISSOURI, ARKANSAS & SOUTHWESTERN.—J. M. Trimble, Supt., Batesville, Ark., states that this road will be 125 miles in length, extending from Batesville, Ark., via Black Rock, Walnut Ridge and Paragould, Ark., to Caruthersville, Mo. Surveys are being made from Batesville to Black Rock, 45 miles. It is expected to begin the work of construction within 30 days. Robert Earnheart is Pres., Batesville, Ark.; R. I. Brookfield, Jonesboro, Ark., is Ch. Engr. Noted on May 18.

MARYSVILLE & NORTHERN.—Incorporated in Washington to build a railroad from Marysville, Snohomish county, in a northerly direction to Bryant, and thence northeasterly to some point in Skagit county. The company proposes to acquire the "Stimson" road, running from Marysville north a short distance. It is said to be the intention to build 12 miles of new line at once. Capital stock, $250,000. Incorporators: C. D. Stimson, F. S. Stimson, James Roe, J. F. Ivey and Maurice McMicken, all of Seattle, Wash.

MADISON & GOODLETTS.—Incorporated in Tennessee to build a new line for the Louisville & Nashville from Madison to Goodletts, in order to secure a line of lower grades and easier curves between those points. Capital stocuk, $10,000. Incorporators: John Bell Keeble, J. W. Judd, E. B. Duval and R. S. Wilcox.

NAVY COVE HARBOR & RAILROAD COMPANY.—Company was incorporated in Alabama to build a railroad from Foleyton to deep water at Fort Morgan. It is said that this line is to be an extension of the Bay Minette & Fort Morgan branch of the Louisville & Nashville, which was recently completed from Bay Minette to Foleyton. Capital stock, $50,000. Incorporators: Charles Schniff, T. C. Hand, W. D. Stapleton, J. D. Hand, W. C. Dinwiddie and W. A. Collier. Headquarters, Bay Minette, Ala.

NORTHERN PACIFIC.—C. M. Levey, of Tacoma, Wash., assistant to President Howard Elliott, has announced that the N. P. will build a line to Grangeville, Idaho, as soon as surveys are completed.

OVERTON COUNTY R. R.—We are informed that this company is "about to close deal with some West Virginia parties to construct and operate the road. It looks as if the deal will go through. If so, work will commence next month." E. C. Knight, Livingston, Tenn., is Gen. Counsel. Noted fully on May 11. The line referred to will be 17 miles long, extending from Algood to Livingston.

OHIO RIVER NORTHERN.—A charter has been granted this company in Ohio to build a steam railroad from East Liverpool to Lisbon, in Columbiana county, 21 miles. The incorporators include: John C. Wallace, Alfred T. Kelley, J. N. Vodrey, G. W. Clark and D. M. McLane. Capital stock is $50,000.

PARIS, DEPORT & SOUTHEASTERN.—This company has been organized at Paris, Tex., to build a railroad from Paris to Rosalie. Capital stock, $100,000. Directors: R. F. Scott, C. I. Broad, T. J. Record, W. B. Wise and S. W. Williams, of Paris; George I. Terrell and J. W. Cunningham of Deport; J. S. Wilkinson and Dr. W. H. Grayson of Bogota, and H. C. Smiley and John Wright of Rosalie. Officers: R. F. Scott, Pres.; George I. Terrell, first vice-Pres.; J. G. Wright, second vice-Pres.; W. H. Grayson, third vice-Pres.; C. I. Broad, Treas.; J. J. Dickerson, Secy.

PENNSYLVANIA R. R.—It is reported that at West Morrisville, on the New York division, a freight classification yard is to be constructed. About 50 miles more of track will be added. At Dellholm, on the Middle division, a large coaling and watering station is to be established.

PHILADELPHIA & READING.—The contract for the enlargement of the Rutherford yards near Harrisburg, Pa., has been given to RYAN & KELLEY, of Philadelphia. The work has been begun. There will be 500,000 cu. yds. of grading, 24 additional tracks are to be laid between Rutherford and Beaver Creek, also between Boyd Station and Beaver Creek.

ROODHOUSE & VIRDEN.—Incorporated in Illinois to build a railroad from Roodhouse through Scotville and Modesto to Virden. Capital stock, $2,500. Incorporators: Charles W. Payne, Roodhouse; James Walker, Scottville; James A. Fletcher, Modesto; Harry C. Simonds, Virden, and Burke Vancil, Springfield.

ST. LOUIS, BROWNSVILLE & MEXICO.—Jeff N. Miller, vice-Pres. and Gen. Mgr., Kingsville, Tex., informs us that this railway is to be 450 miles long. It is completed from Brownsville to Sinton, 162 miles, and from Harlingen to Fordyce, 55 miles. From Sinton to Bay City, 146 miles, construction is under way and contract is let for 66-mile line between Bay City and Algoa. On June 15 the line will be opened for traffic between Sinton and Refugio, 22 miles. W. P. Homan, Corpus Christi, Tex., is Ch. Engr. Mr. Miller also writes that "the name of this company has not been changed from the St. Louis, Brownsville & Mexico to the Gulf Coast Line. The Gulf Coast Line is simply a 'nickname' of the line."

SIKESTON & SOUTHEASTERN.—We are informed that contract has not been let nor anything done yet regarding the railway from Sikeston, Mo., to Hickman, Ky., 30 miles. Green B. Greer, of Sikeston, is the promotor.

ST. LOUIS, LITCHFIELD & EASTERN.—Company has been incorporated at Illinois to build a railroad from East Alton to Litchfield. Capital stock, $5,000. Incorporators are Harry R. Budd, Charles E. Drew, Willis B. Powell, William P. Dickie, and George R. Morgan, all of Bunker Hill, Ill.

SOMERSET RY.—J. S. KAULBACK & CO., of Bingham, Me., and Times Bldg., New York, have sub-let contract for 18-mile extension on this line. Company has been awarded contract for 57 miles of similar work on this railway and will sub-let portions.

TIDEWATER RY.—SANDS & OLIVER, the general contractors, Roanoke, Va., announce that they have "100 miles of good work to let, grading, masonry, pile driving and steam-shovel work. Apply to Major Thomas B. Lee, Gen. Suut., at Suffolk, Va." Noted on May 25.

TEXAS.—Citizens of Paintrock, Tex., have raised $15,000 for a bonus to be offered to first railway company building into this city. Further offers are made.

WESTERN CENTRAL. — Incorporation rights have been applied for in Canada to build this railway from London, Ont., to Guelph, with two branch lines, one to Stratford and another to Woodstock, Ont., a total of 93 miles.

WISCONSIN & MICHIGAN.—Stockholders on June 12 will vote on a proposition to increase capital stock. This action is preliminary to building extensions of the road to Superior, Wis., and from Norway to Iron Mountain, Wis. These will give connection with the Grank Trunk Ry. B. C. Gowen, Peshtigo, Wis., is Ch. Engr. J. B. Barton, Grand Central Station, Chicago, is vice-Pres.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

CHARLTON, MASS.—Announcement is made, according to Springfield "Republican," by President Fred. C. Hinds, of the Hartford & Worcester St. Ry. Co., that this company proposed to build a line between Hartford, Conn., and Worcester, Mass., via Charlton. Selectman A. Frederick Putnam, of Charlton, is interested.

NATICK, MASS.—The Natick, Sherborn & Millis St. Ry. Co. has been incorporated by Henry H. Muggley, of Boston, Mass.; Lewis S. M. Glidden, of Cambridge; James W. Longstreet, of Boston; John H. Allen and Arthur W. Palmer, of Natick; Charles H. Dowse and Waldo E. Church, of Sherborn, Mass. The line will commence at Main and Central Sts., Natick and extend through Natick and Sherborn to Millis, about nine miles. It will be standard-gage. Capital stock is $200,000.

NORWICH, CONN.—The Norwich, Jewett City & Voluntown St. Ry. Co. has been chartered, with $700,000 capital stock. It is planned to use the line both for freight and passengers. It will run from Norwich, through Preston City, Jewett City, Griswold, Glasgo and Voluntown.

STAFFORD, CONN.—The Willimantic & Stafford St. Ry. Co. has been incorporated with a maximum capitalization of $700,000. The company is granted the right to operate in the towns of Windham, Mansfield, Willington and Stafford. The main line will run from the city of Willimantic to the borough of Stafford Springs.

NEW YORK, N. Y.—Attorney-General Julius A. Mayer has denied application made by Anthony Stumpf, a stockholder in the New York and Port Chester Railroad, through his attorneys, Professor Charles A. Collin and Samuel Untermyer, asking that action be brought in the name of the state to obtain a judgment that the New York, Westchester and Boston Railroad never existed and never acquired the right, privilege or franchise to construct, operate or maintain a railroad. The officials of the Westchester Co. have announced that actual co[illegible] on June 5. William [illegible] William Barclay Par[illegible] Engr., 22 William St. road will run from W[illegible] Scarsdale and Tuckah[illegible] Mount Vernon the main from Portchester and pa[illegible] rison, Mamaroneck, Lar[illegible] and Pelham. Connectio[illegible] the east side subway ex[illegible] River, but the line wil[illegible] Harlem River at Second run from the Bronx Riv[illegible] Connections will be mad[illegible] lines.

The Bronx, Yonkers & [illegible] way Co on May 23 mad[illegible] state railroad commission[illegible] an electric railroad from [illegible] Plains and Yonkers. Th[illegible] said, considered that th[illegible] nished was inadequate, an[illegible] the highways crossed, the[illegible] be furnished. Frank V[illegible] peared for the railroad, sai[illegible] all that was required at a[illegible] adjournment was taken to

BOLIVAR, N. Y.—Plan[illegible] completed for building a [illegible] Wellsville to Bolivar via [illegible] town. It is to be about 2[illegible]

BATAVIA, N. Y.—Josiah [illegible] D. D. Cushing, of New Y[illegible] Morgan and Walter S. Wi[illegible] Fred. L. Downs are intere[illegible] local papers, in the financing [illegible] electric railway to Lake On[illegible] Medina and Olcott. Batavia [illegible] chise two years ago to the Un[illegible] It will be 48 miles long.

ELMIRA, N. Y.—A hearing [illegible] be given on June 13 on application of [illegible] Chemung Valley Traction Co. for permission to build a trolley line from Elmira to W[illegible] Rawlins, of Binghamton, is El[illegible]-Charge.

ROCHESTER, N. Y.—Application is to be made by the Rochester & Southern Ry. Co. for a franchise to build to Penfield. The Rochester & Southern Construction Co. will be incorporated to build the railway. Capital stock will be $100,000. The line is to be 120 miles long. A power plant will be built at Wayland. The route is as follows: From Rochester, through West Brighton, West Henrietta, East Avon, Lakeville, Conesus Lake, Scottsburg, Dansville, Perkinsville, Wayland, Atlanta, North Cohocton, Wallace, Avoca, Kanona, Bath, Savona, Campbell, Coopers, Painted Post, Corning and Horseheads to Elmira. Probable incorporators are Walter B. Duffy, Benjamin E. Chase, Stephen C. Hollister, William A. Sutherland, County Clerk James L. Hotchkiss, Fedor Willemek of Rochester, and William W. Clark, county judge of Steuben county; O. F. Lieders, of Wayland, J. M. Edwards, of Dansville, and George A. Engert, of New York.

WESTFIELD, N. Y.—A special meeting will be held on June 3 by highway commissioners to consider granting a franchise to the Chautauqua Traction Co. to build its line through Westfield to Barcelona.

PHILADELPHIA, PA.—E. W. Clark & Co., 139 South Fourth St., have acquired control of the Philadelphia & Western Ry. John M. Bramlette is Gen. Mgr.

CHAMBERSBURG, PA.—Borough council has passed a resolution requiring the Chambersburg & Gettysburg Electric Railway Co. to build the West Market St. extension by June 3, under penalty of having the franchise annulled and the tracks torn up. C. H. Bishop is Supt.

HICKORY, N. C.—The Hickory Railway & Power Co., capital $125,000, has been organized, with M. E. Thornton, Pres. and Mgr. Company will soon make a preliminary survey within the city limits and to suburban points. Construction will be started soon. There will be 13 miles of railway.

MONROE, LA.—City has awarded contract to the WESTERN ELECTRICAL CONSTRUCTION CO., of St. Louis, Mo., at $100,000, for construction and equipment of the electric street railway.

YOUNGSTOWN, O.—F. B. Wilkerson and associates have purchased majority of stock in this railway which is now operated by steam. They will at once extend the line from Columbiana to East Liverpool and Salem and electrify the entire road. Improvements will cost $1,250,000, it is reported. C. P. Phelps & Co. and Baker, Ayling & Co., of Boston, will underwrite necessary bonds. George Tod, Jr., is Ch. Engr. This new extension will be known as the Lake Erie, Mahoning & Southern Ry. Incorporation will be obtained at once.

CANTON, O.—Route has been surveyed for the Canton & Youngstown Ry. It will be 52 miles long and extend from Canton to Youngstown. Right-of-way is practically secured through the following towns: North Canton, Oval City, Middlebranch, Midway, Hartville, St. Joseph, Wheeler's Corners, Johnnycake Hollow, Randolph, Atwater Station and Atwater Center, Virginia Corners, Yale, Deerfield and Deerfield Station, Case's Corners, Berlin Center, Ellsworth, Canfield, Cornersburg, Millcreek Park, Idora Park and into the city of Youngstown. The name will be changed, it is said, to the Canton, Youngstown & Akron Ry. John E. Monnott is Attorney. Other officers are William H. Clark, Pres.; J. Royal Snyder, vice-Pres.; L. D. Blanchard, Secy.; C. H. Schlabach, Treas., all of Canton.

MANSFIELD, O.—W. H. Abbott, Cleveland, O., is Engr. for the proposed Cleveland, Mansfield & Ashland Ry. Bonds are issued. Col. A. V. Hard, Wooster, O., is the reported backer.

CINCINNATI, O.—The Toledo, Detroit & Cincinnati R. R. Co. has negotiated, according to local report, for purchase of the Cincinnati & Westwood R. R., a six-mile steam line in this city. The T., D. & C. was incorporated with $6,000,000 capital last year. Articles of incorporation provide that the line run from Cincinnati through the counties of Hamilton, Butler, Preble, Darke, Mercer,

Van Wert, ...building, Defiance, Williams, Henry, Fulton and Lucas, into Toledo. James N. Gamble is Pres. of the Cincinnati & Westwood R. R.

TOLEDO, ...—Financial backing has been secured for ...ilding the Toledo & Michigan Electric line ...rough Adrian, Cadmus, Clayton, Hudson ...Pittsfield, Hillsdale, Jonesville and other ...gan towns. P. P. Duket, 521 Chapin St. ...ledo, is Pres.

TERRE ...UTE, IND.—It is p'anned to build a ra... ...y between Terre Haute and Olney, Ill. ...Henry Schwanecke, Consult. Engr., repo... ...d to Commercial Club against an electric ... in favor of a steam line. Estimated co... ...$1,013,960. A committee composed of T... ...Pugh, Herman Hulman, Jr., G. Morris ...; D. Gaines, of Palestine; H. Pointed to ... J. T. Hyatt, of Olney, was appointed to ...sider motive power and plan of incorporati...

PERU, IN... ...—A subsidy tax of $15,000 and $5,000 in ...d of the proposed electric line from Peru ... Warsaw, has been voted by Perry Tow... ...hip, Miami county, and Henry Township. ... Fulton county. A total of $5,000 ha... ...been voted this road, it is reported. Th... ...subsidies in these two townships carry ...other inducements with certain provisions.

CHICKASAW, IND.—The city has granted a ...franchise to the Chickasaw Transit Co. to build and operate an electric street railway system. The company gives bond to begin work within six months, and have the lines in operation within 15 months from the date of the passage of the ordinance.

MARSHALL, MICH.—Joseph J. Leary, of Marshall, is promoting an electric railway from this place to Coldwater via Tekonsha, 28 miles. Right-of-way is secured, it is said.

LANSING, MICH.—The Lansing & Suburban Traction Co. will spend $75,000 in improvements. J. R. Elliott is Gen. Mgr.

ST. JOSEPH, MICH.—James G. McMichael, Pres. of the St. Joseph River Traction Co.; C. K. Minary, of Springfield, Ill., and others, have purchased the Benton Harbor & St. Joseph Street Railway & Light Co. and have assumed control. The purchase price, it is reported, was $750,000. The road between the two cities will be the nucleus for a great electric system in this state and Indiana. Work already has been commenced on a line to Dowagiac, with a branch to Niles, which will be extended to Edwardsburg and Elkhart, Ind. The new company will spend $100,000 in increasing the capacity of the power house in this city, according to a local report.

MONROE, MICH.—The Detroit, Monroe & Toledo Short Line Ry. may build a branch between Dundee and Monroe, 17 miles. George J. Schaefer, Pres. of Dundee village, is interested. Free right-of-way has been granted.

PEORIA, ILL.—W. B. McKinley, Pres. and Gen. Mgr. of the Illinois Traction Co., has announced that a branch line will be built into Peoria.

LITCHFIELD, ILL.—The St. Louis & Eastern Electric Railroad Co., which has applied for incorporation, will build a line from East Alton to Litchfield. J. H. Belt., Jr., of Bunker Hill, is Pres.; George A. Kline, of Bethalto, Vice-Pres.; H. R. Budd, Secy., and C. E. Drew, Treas.

OTTUMWA, IA.—J. E. Houghland, of Eldon, Ia., Secy. of the Eldon & St. Louis Ry., announces that an electric railway from Ottumwa to Jefferson City, Mo., will be built by Chicago capitalists. The line will be about 175 miles long.

DES MOINES, IA.—The Chicago, Rock Island & Pacific Ry. Co. may install electricity on portions of the lines running out of Des Moines. It is reported that the proposed change of motive power will be begun on 42 miles of road between Des Moines and Winterset, six miles between Summerset and Indianola, about 18 miles of proposed new road between Indianola and Knoxville, and about 50 miles of road between Des Moines and Oskaloosa. T. S. Lloyd, Chicago, is Gen. Supt. M. P.

DES MOINES, IA.—The Des Moines City Ry. Co. will build an extension along Polk Boulevard to the University. A. G. Maish is Supt.

BELLE PLAINE, IA.—J. C. Neely, Engr., of Chicago, Ill., has reported upon project of the Grinnell Interurban Ry. Co. to build from Grinnell to Belle Plaine, Ia. The line will be about 30 miles long. Capital is said to be secured.

SIOUX FALLS, S. DAK.—C. M. Harrison, of Redfield, S. Dak., is interested in plan to build an electric railway system in Sioux Falls. Capital is being secured.

CHOUTEAU, MONT.—Dr. Ernest Crutcher and Matt Dunn, of Great Falls, Mont., have been granted franchises to build an electric railway through Cascade and Teton Counties.

TECUMSEH, OKLA.—Council has granted a franchise to Alfred Hare, Pres. Exchange Bank of Tecumseh, to build and operate an electric line in this city upon condition that connection be made with line to Shawnee. Work will begin soon.

SAN MARCOS, TEX.—We are advised the preliminary and location surveys for the San Marcos Valley Interurban Ry., from San Marcos to Luling, Tex., have been completed. The construction of this railway probably will begin at an early date. Total length will be about 24 miles. A. T. Fisher, Temple Bldg., St. Louis, Mo., is Pres., and George W. Megrew, 401 Kiam Bldg., Houston, Tex., is Ch. Engr. Noted on May 11.

PUYALLUP, WASH.—Fred. J. Chamberlain has applied to city council for franchise to use city streets for operating an electric railway.

SAN JOSE, CAL.—O. N. Hale, Pres. of the San Jose & Los Gatos Interurban Railway Co., operating between San Gatos, Los Gatos and Saratoga, announces that the line will soon be extended north to Palo Alto. F. G. Chapin is Gen. Mgr.

OKLAHOMA CITY, OKLA.—The Oklahoma Traction Co. has been chartered. Its capital is $300,000. An electric railway will be built to Lexington, 40 miles. Incorporators are C. E. V. Eggleston and S. G. Glasgrow, of Oklahoma City; C. R. Eggleston, of Ft. Smith, Ark.; L. E. Patterson, of Ada, Ind. T., and L. D. S. Woodson, of Alva, Okla.

PASADENA, CAL.—The Friction Railway Supply Co. has been organized, with G. E. Smith as Pres.; Robert S. Allen, Vice-Pres.; Harold Simpson, Secy.; E. N. Nold, Treas., and C. M. Simpson, Attorney. Company proposes to build a mono-rail line up Mount Wilson. There will be two overhead rails. The railway will be operated by electricity.

SAN FRANCISCO, CAL.—The Ocean Shore Railway Co. has been organized in this city. Capital is $3,000,000. The stockholders are: A. D. Bowen, Burke Corbet, Walter E. Dean, J. Downey Harvey, Charles Carpy, C. E. Green and Charles C. Moore. An electric railroad, 83 miles in length, extending from San Francisco to Santa Cruz, is projected.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

HOLYOKE, MASS.—R. D. WOODS & CO., of Philadelphia, Pa., have secured the contract for 345 tons of 16-in. c. i. pipe, to be used by the Gas Co. in the extension from the gas works to the new gas holder, at $26.85 per ton. There were four bids. W. H. Snow is Mgr. Gas Co.

NEW YORK, N. Y.—Site for municipal electric light plant has been purchased at 90th and 91st Sts. and Ave. A and the East River. Purchase price is $350,000.

Bids are asked until June 17 for furnishing Immigration Station on Ellis Island, with electrical supplies for year ending June 30, 1906. Robert Watchorn, Comr.

WHITE PLAINS, N. Y.—The Homans Light, Heat & Power Co. is reported incorporated with principal office at White Plains, and a capital of $250,000, to locate gas, electric light, water, power and heating plants throughout the State. Directors: Martin S. Watt, 62 W. 39th St.; Wm. P. Homans, 1730 Broadway, and others of New York.

POUGHKEEPSIE, N. Y.—The Southern Gas & Electric Co., of Poughkeepsie, has been incorporated. Capital, $25,000. Directors: A. E. Seibert and James Cochran, of Brooklyn; W. R. Maloney, of Poughkeepsie.

MINETTO, N. Y.—The Minnetto Light, Heat & Power Co., of Minetto, has been incorporated with $20,000 capital. Directors: C. B. Benson, of Minnetto; D. P. Page and T. A. Page, of Oswego.

DEXTER, N. Y.—We are informed that an auxiliary plant will be installed to be run by steam or gas. An electric light plant is now operated which lights several villages. It is operated by water power. C. C. Burns, Contractor, Watertown, N. Y., "desires address of responsible manufacturers of gas or steam engines of about 200 HP."

LAKE PLACID, N. Y.—Paul Smith & Sons have purchased water power rights, grist mills, etc., owned by George A. Stevens. Power will be developed.

BUFFALO, N. Y.—Francis G. Ward, Comr. of Public Works, has asked Board of Aldermen for authority to prepare plans and specifications and advertise for bids for a supply of power to operate electric pump No. 2. He desires that the contract continue for a term of three years. The plans are to provide for a supply of power at a point in Niagara St., near Ontario St., being a point at which the conduit system of the Cataract Power & Conduit Co. begins. The city intends to use that portion of the company's conduits as provided in the franchise. The matter has been referred to the Committee on Water. The plans and specifications are to call for proposals on the basis of either or all of the following rates: (1) Per electric HP. of 11,000 volts at Niagara and Ontario Sts.; (2) per million gallons of water pumped, said plans to provide, in addition, the cost of the necessary cable to convey said electric power from point of delivery to the city to the pumping station at the foot of Massachusetts Ave.; (3) proportionate cost of the conduit used.

ALBANY, N. Y.—Hoosick Falls Illuminating Co., of Hoosick Falls, has been incorporated. Capital, $150,000. Directors: Robert Lewis, Lewis C. Tetard, Sherman Cox, and Ralph W. Gifford, all of New York; and George D. Martin, of Greenwich, Conn.

Lindenwald Light, Heat & Power Co., of Chatham, Columbia county, has been incorporated. Capital, $25,000. Directors: Aaron B. Gardenier, Sanford W. Smith, and M. P. H. Smith, all of Chatham. Company will cover Columbia county and the city of Hudson.

POTSDAM, N. Y.—Bonds for $40,000 will be sold for building and equipping municipal electric lighting plant. H. B. Sweet, Utica, is in charge.

HIGHTSTOWN, N. J.—Council has voted to hold a special election on June 20 to vote on proposition to issue $30,000 of bonds for a municipal electric light plant.

SOUTH ORANGE, N. J.—Municipal ownership of an electric plant is under consideration. Robert S. Sinclair is Village Pres.

KEARNY, N. J.—Bids are asked until 8 p. m., June 14, for building municipal electric lighting plant. Separate proposals must be made on each of the following items: (1) Power house and foundations; (2) chimney and breeching; (3) boilers and steam fittings; (4) engines; (5) generators and exciters; (6) switchboard, wiring, transformers, pole line and fixtures; (7) arc lamps. Plans and specifications may be seen at office of the engineers, Runyon & Carey, 122 Market St., Newark, N. J., and at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

WILMINGTON, DEL.—An electric light plant may be built by city. John E. Gray, Dir. Street and Sewer Bd., is quoted by local paper in saying that money will be raised for the project.

RICHMOND, VA.—E. W. Trafford, Electrical Engr., has submitted estimate to city in connection with plan to operate lighting and power plant under municipal control. Est. cost is $400,000.

ASHLAND, VA.—Frank Jay Gould will be granted franchise by town council for electric lighting privileges for 30 years. See May 11.

BLANCHE, ALA.—H. T. Henderson, of Durango, Colo., will erect a water power plant on Little River at Blanche, it is reported. A dam and a tunnel will be required.

TUPELO, MISS.—Board of Aldermen has given notice of issuance of $25,000 of 20-year bonds for refunding school bonds and for completing electric light plant.

SHREVEPORT, LA.—An election is called for Aug. 2 to vote on question of issuing $180,000 of bonds for purchase or construction of an electric light plant and system.

PARSONS, TENN.—L. A. Rains, J. W. Fuller, Houston Partin, C. F. Abston and representative of the Parsons Marble & Granite Works are interested in plan to install an electric light plant.

AUGUSTA, KY.—It is reported that bids are asked until June 1 for purchase of a 20-year electric light franchise. W. C. Wittmeier is Cy. Clk.

PADUCAH, KY.—Mayor Yeiser is in favor of a municipal lighting plant in the event of a talked-of consolidation of electric light and gas companies.

SPRINGFIELD, O.—The People's Light, Heat & Power Co. has awarded contracts as follows: Four boilers to the HEINE SAFETY BOILER CO., of St. Louis, Mo.; electric machinery, including generators, one 19-panel switchboard, 100 arc lights for commercial use and 400 new street arc lights to the WESTINGHOUSE ELECTRIC MFG. CO., of Pittsburg, Pa.; four engines of 400 HP. each and two 50-HP. exciter engines to the WESTINGHOUSE MACHINE CO., of Pittsburg; a radial brick stack, 150 ft. high and ten ft. in diameter, to M. W. KELLOGG & CO., 37 Dey St., New York, one 20-ton crane to the CASE MFG. CO., of Columbus; two feed pumps to the DEAN PUMP CO., of Indianapolis, Ind., and the heating plant to A. J. STAHL, of Lockport, Ind. Total cost about $150,000.

CINCINNATI, O.—The Directors of the Cincinnati Gas & Electric Co. have awarded contracts for the improvements of the West End Gas works amounting to $282,000 as follows: Retaorts, hydraulics, mains, benches, etc., amounting to $130,000 to PARKER-RUSSELL MINING & MFG. CO., of St. Louis. Stoking machines, G. A. BRONDER, of New York, $30,000; structural steel for retorts, AMERICAN STEEL CO., $80,000; structural steel for coal shed, BROWN KETCHUM & CO., $26,000; carpenter and roofing work, L. P. HAZEN, $16,000.

HARTSVILLE, IND.—Town will grant a franchise to company granting privilege of building and operating an electric light plant.

INDIANAPOLIS, IND.—The Laycock Power House Co. has been incorporated. Capital stock is $250,000. President, T. B. Laycock, vice-Pres., Charles E. Coffin; second vice-Pres., I. N. Richie; Treas., Charles E. Holloway; Secy., James F. Lindley; W. R. Laycock, Clarence A. Kenyon, John P. Lytle and Irvin Conoway, are directors. The new company has already begun the work of improving and enlarging the old building occupied by the T. B. Laycock Co., at Tenth and Canal Sts., for the purpose of establishing a power house there. In addition to the old building, a new one of the same size will be built and the two structures will cover the square bounded by Tenth, the Canal, Eleventh and Fayette Sts.

GRAND HAVEN, MICH.—Bids will be asked June 16 by the Board of Public Works for a 75-KW. alternating current generating set, consisting of engine, generator and appurtenances and transformers. Lewis A. Gorham is Cy. Clk.

MUSKEGON, MICH.—The Muskegon Interurban Ry. Co. has awarded contract for power to GRAND RAPIDS & MUSKEGON WATER POWER & ELECTRIC CO. This company is building power dams on Muskegon River at Big Rapids.

RHINELANDER, WIS.—The Rhinelander Power Co. will develop water power of Wisconsin River at point six miles below this city. A dam will be built giving a head of about 24 ft., and sufficient water is obtainable to develop an average of about 600 HP. In the rainy season more than 2,000 HP. is obtainable. THE ALLIS-CHALMERS CO. will furnish the entire electrical equipment, which includes three 400 KW. 1,100-volt three-phase, 60-cycle generators, with three 70½-KW. 120-volt separately-driven exciters, six 150-KW., 10,000-volt transformers and complete switchboards at both the generating station and the sub-station at Rhinelander. This plant is one of the first long distance transmission plants on the upper Wisconsin River. It is expected that many more enterprises of a similar character will be undertaken in that region within the next two years.

SIOUX CITY, IA.—Samuel McRoberts, 205 La Salle St., Chicago, Ill., Pres. of the Sioux City Traction Co., has announced that work will be begun soon on heating and lighting plants, together with lines and mains. E. L. Kirk is Mgr. of Co.

SOUTH ST. PAUL, MINN.—City Council has granted A. Baumgarten, John Coates and others a franchise for an electric light plant to cost about $15,000. Noted on May 18.

ALMA, NEB.—The date of receiving bids for constructing water-works and an electric light plant, has been extended from June 8 to June 22. M. A. Earl, Consulting Engr., Chicago, Ill. See May 25.

ABERDEEN, S. DAK.—Local business men have raised funds to install an electric lighting plant.

DEADWOOD, S. DAK.—The consolidation of the Lead and Deadwood Electric Light companies has been effected. The new company will build a power plant at Pluma. Its total cost will be about $1,000,000. Otto E. Osthoff, of Chicago, is Elec. Engr.-in-Charge The new company will be known as the Consolidated Light & Power Co.

FORT SCOTT, KAN.—The Central Gas Co., of Topeka, Kan., has awarded contract to build a pipe line to convey natural gas from this city to Nevada, Mo. Cost, $110,000.

PRAIRIE GROVE, ARK.—C. L. Cummings & Son have been awarded franchise for building an electric light plant here.

SAN DIEGO, CAL.—R. C. Hubbard has amended his application for a franchise to use the tidewaters at the mouth of False Bay for the purpose of developing electric power. Under his new application he agrees to install a plant of at least 250 HP. Jan. 1, 1907, to pay $25 per year upon the franchise until the year 1915, after which date from time to time the supervisors may establish the rate of compensation. The supervisors will take up the new application at the next meeting of the board.

NORTH YAKIMA, WASH.—The Prosser Falls Land & Irrigation Co. has filed with the county auditor papers appropriating 5,000 cu. ft. of water out of the Columbia River at Priest Rapids. The water is to be used for generating electricity for manufacturing and other purposes. The appropriation is preliminary to a project of E. F. Benson to utilize the waterfall at Priest Rapids to generate electricity to be used in all the small towns in the southern end of Yakima county.

BELLINGHAM, WASH.—J. J. Donovan, Supt. Bellingham Bay & British Columbia R. R., Bellingham, states that the power plant for company, at Nookseack Falls, will be built at an early date.

RICHLAND, ORE.—C. F. Hyde and W. H. Strayer, of Baker City, Ore., have asked for an electric light plant franchise in Richland.

MEAFORD, ONT.—Bids are asked until 6 p. m., June 5, for lighting the streets by electric light, with privilege of supplying light for residences, etc. J. G. Clarke, Chn. Fire, Water and Light Com.

OTTAWA, ONT.—City is reported to have voted to purchase the plant of the Consumers Electric Co. at a cost of $200,000.

SUTTON, MAN.—Paul Wood, it is reported, will develop water power for electric light and power purposes. R. S. Kelsch, Consulting Engr., Montreal, has been retained.

MEDICINE HAT, N. W. T.—Town has voted $12,000 for sinking another municipal gas well and extending the system. Also $2,000 for purchase of the New Edinburg natural gas well, gas and water plant. Bids are asked until June 19 for purchase of these bonds.

REGINA, N. W. T.—Bids are asked until June 19 by the City Corporation for $160,000 of electric light bonds. J. Kelso Hunter is Secy.-Treas.

WEST KOOTENAY, B. C.—It is reported that L. A. Campbell, Gen. Mgr. of the West Kootenay Light & Power Co., has made arrangements for a plant at Upper Bonnington Falls that will generate 24,000 HP. and cost $1,400,000. This will be in addition to the plant at the Lower Falls, which generates 4,000 HP.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—We are informed that the following bids were received by Wm. Jackson, Cy. Engr., May 25, for constructing abutment and retaining walls of Boston approach to Brookline St. Bridge: James J. Coughlan Construction Co., 19 Worthington St., $29,300; Lawler Bros., 16 City Sq., Charlestown, $32,554; William L. Miller, 19 Milk St., 32,973; Ruggles & Perkins, 7 Milk St., $33,695; D. F. O'Connell Co., 71 Gibson St., Dorchester, $35,-000; Jeremiah J. Sullivan, 95 Milk St., $36,411; Cefalo & Ferguson, 64 Equitable Bldg., $36,974; The H. Gore & Co., 54 Kilby St., $37,308; Nawn & Brock, 82 Savin St., Roxbury, $37,625; Metropolitan Contracting Co., 95 Milk St., $37,780; T. Stuart & Sons Co., 222 Pearl St., Newton, $37,950; Shailer & McCormick, 304 Paddock Bldg., $38,950; W. H. Ellis, 17 Milk St., $41,951; Patrick McGovern, 6 Beacon St., $43,450; Joseph Ross Corporation, 28 School St., $47,073; Falvey & Kelly, 13 Centre Ave., Dorchester, $49,800.

BOSTON, MASS.—Bids were received May 23 at Mayor's office for furnishing and erecting cast iron facias for Cambridge bridge as follows: Jas. McKinney & Son, Albany, N. Y., $22,079; Brown Ketcham Iron Works, Indianapolis, Ind., $19,000; W. A. Snow & Co., Boston, $15,950; Builders Iron & Steel Co., Cambridge, $15,708; Hecla Iron Works, Brooklyn, N. Y., $13,500; Wayne Iron Works, Philadelphia, Pa., $13,297; G. W. & F. Smith Iron Co., Roxbury, $11,375 (awarded contract).

NEWPORT, R. I.—Bids are asked until June 28 for enlarging draw opening in stone bridge over Sakonnet River, Tiverton, R. I. Lt.-Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

UTICA, N. Y.—We are informed that the appropriation bill for Seneca St. lift bridge has not been passed by State Legislature. Paul Schultze, Cy. Engr.

ELMIRA, N. Y.—Bids are asked until June 15 for construction of Lake St. bridge. Jervis Langdon, Secy. (Advertised, Engineering News.)

WEST NEWTON, PA.—We are informed that the following bids were received May 25 by County Commissioners, Greensburg, for construction of steel highway bridge at Main St., West Newton: Penn Bridge Co., Beaver Falls, Pa., $67,885; Climax Road Machine Co., Marthon, N. Y., $68,831; American Bridge Co., New York, $68,490; Eyre Construction Co., Philadelphia, Pa., $87,375; Owega Bridge Co., Philadelphia, Pa., $88,000; King Bridge Co., Cleveland, O., $91,518; Berlin Construction Co., New York, $93,820; Champion Bridge Co., Wilmington, O., $78,-950; New Jersey Bridge Co., New York, $78,-

$25; Groton Bridge Co., New York, $88,500; York Bridge Co., York, Pa., $92,400; Mount Vernon Construction Co., Mt. Vernon, O., $73,210 and $78,300.

LYNCHBURG, VA.—Miningerode & Duckworth, Lynchburg, are in the market for a second-hand bridge, through truss or through girder, for an opening 90 to 100 ft., 18-degree curve, crossing river in skew, north side largest on west end; bridge to be in good order and pass inspection to carry a locomotive of 110,000 pounds; for delivery at once at Abingdon, Va.

CHARLESTON, W. VA.—City voted May 22 to issue $60,000 in bonds for bridge over Elk River. W. A. Hogue is Cy. Engr. Previously noted.

LAWRENCEVILLE, GA.—Bids are asked by County Commissioners until July 6 for construction of steel highway bridges over Chattahoochee River. A. E. Ewing, County Clk.

BIRMINGHAM, ALA.—Jefferson County Board of Revenue awarded contract for four new bridges to the AMERICAN BRIDGE CO., at a total cost of $5,626; and for five new bridges to the JOLIET (Ill.) BRIDGE & IRON CO., at $3,699.

ELLISVILLE, MISS.—Board of Supervisors have ordered the issuance of $20,000 bridge and road bonds. It is proposed to erect iron bridges over all water courses in county. Previously noted.

CLEVELAND, O.—Bids are asked by County Commissioners until June 10 for construction of a steel bridge, concrete steel culvert and abutments to three bridges in Royalton Township; also for constructing a concrete steel culvert in Brecksville Township. Wm. H. Evers, County Engr.

PLYMOUTH, IND.—Bids will be received, it is stated, until June 6 by County Commissioners for construction of three iron bridges and one concrete arch. H. L. Singrey, County Audr.

WABASH, IND.—Bids are asked by County Commissioners until June 6 for repairing three bridges. W. S. Davis, County Audr.

BLOOMINGTON, IND.—Contract for masonry work, including steel superstructure, on viaduct across Richland Creek has been awarded to H. M. VAUGHN. Cost about $200,000.

INDIANAPOLIS, IND.—The Board Public Works has ordered the Indianapolis Water Co. to build three new and repair eleven bridges over canal.

MT. VERNON, IND.—Bids are asked by Silas G. Howard, County Audr., until June 5, 2 p. m., for construction of steel bridges in county.

ALPENA, MICH.—Bids are asked until June 5 for construction of a concrete bridge. R. J. Creble, Cy. Clk.; J. H. Bloomshield, Engr., Bay City, Mich.

PONTIAC, MICH.—Bids are asked by Council until June 5 for construction of seven concrete steel bridges over Clinton River. Wm. J. Fisher, Cy. Engr.; Jos. H. Thorpe, Cy. Clk. (Advertised, Engineering News.)

ARLINGTON HEIGHTS, ILL.—Bids will be received until June 5 for construction of reinforced concrete arch bridge over Des Plaines River, Wheeling Township. H. L. Emerson, Engr., Chicago.

MT. PROSPECT, ILL.—Bids are asked until June 5 for erecting steel superstructure, concrete substructure and earth approaches of bridge to be erected on Dundee Road, over Saulf Creek, Elk Grove Township. H. L. Emerson, Engr., 1311 Chamber of Commerce, Chicago; E. Busse, Town Clk.

RACINE, WIS.—City Council has instructed Board Public Works to advertise for bids for constructing Main St. bridge. P. H. Connolly is Cy. Engr.

ST. PAUL, MINN.—Bids are asked by County Commissioners until June 5, 10 a. m., for a fill at Barum bridge. Ed. G. Krahmer, County Audr.

GARNETT, KAN.—Bids are asked by County Commissioners until June 5 for erecting a number of steel bridges in this county. M. J. Keeton, County Clk.

O'NEILL, NEB.—Bids are asked by E. S. Gilmour, County Clk., until June 20 for construction of a bridge across Niobrara River.

ELLENDALE, N. DAK.—We are informed that contract for constructing steel bridge over Maple River, bids received May 24 by A. W. Eygabrood, County Audr., has been awarded to WM. S. HEWETT & CO., Minneapolis, Minn., for $1,898.

KANSAS CITY, MO.—The contract for construction of James St. viaduct to be built by Metropolitan Ry. Co. was let May 19 to the AMERICAN BRIDGE CO., for $75,000.

OREGON, MO.—Bids are asked by Wm. M. Morris, Rd. and Bridge Comr., until June 6 for constructing 22 wooden bridges and one 55-ft. combination or steel span.

INDEPENDENCE, MO.—The Missouri Pacific Railway and the Metropolitan Street Railway Co. have agreed on plans for a concrete bridge in South Main St. to replace old wooden structure.

BRYAN, TEX.—The County will erect a 40-ft. iron span to Jones Bridge over Brazos River. A. G. Board is County Judge, and can give information.

TACOMA, WASH.—Bids are asked by County Commissioners until June 9 for construction of a trestle 265 ft. in length across gulch on Gehring County Road. J. M. Howell, County Audr.

VALE, ORE.—Bids are asked by County Commissioners until July 5 for construction of two wagon bridges, one over Owyhee River and the other over Malheur River. W. G. Thompson, County Clk.

TAVISTOCK, ONT.—Bids are asked by James Anderson, Clk., until June 3, 12 m., for the erection of three steel bridges and abutments in East Zorra Township.

VANCOUVER, B. C.—Board of Works will construct a steel bridge across ravine on Carnarvon St. Est. cost, $15,000. Address City Clerk.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

MALDEN, MASS.—The committee appointed to obtain plans and specifications for a new eight-room brick school building in Maplewood district of Malden, has selected plans presented by Edward I. Wilson, Arch., 101 Tremont St., Boston. Cost, about $40,000.

BOSTON, MASS.—Bids are asked by School House Commissioner, 120 Boylston St., until June 7, 12 m., for alterations in heating and ventilating systems, plumbing, painting, electric work, etc., in Lewis School, Dale St. French & Hubbard, Engrs., Albany Bldg., Boston.

BEVERLY, MASS.—We are informed that plans are being prepared by Cooper & Bailey, 60 Congress St., Boston, for a 12-room schoolhouse for city of Beverly. Cost, $85,000. No contracts let as yet. Address architect.

BOSTON, MASS.—BUTTER BROS. CONSTRUCTION CO., 1170 Broadway, New York, and Tremont St., Boston, has been awarded general contract for new bank building to be erected at Tremont and Court Sts., for Suffolk Savings Bank. Cass Gilbert is Arch., 79 Wall St., New York. Cost, about $335,000. Contractor is now receiving bids on heating, ventilating and electric wiring.

PROVIDENCE, R. I.—The WOODBURY GRANITE CO., of Hardwick, Vt., has been awarded a $250,000 contract to furnish material for new post-office building at Providence.

NEW YORK, N. Y.—The following bids were opened May 20 at office of James Knox Taylor, Supv. Arch., Washington, D. C., for elevator equipment of U. S. custom-house at New York: Marine Engine & Machine Co., 80 Broadway, New York, $98,250, electric; time, 200 working days. Otis Elevator Co., 17 Battery Pl., New York, hydraulic, $165,440; time, 150 working days; electric, $94,850; time, 120 working days. Standard Plunger Elevator Co., 1 Broadway, New York, hydraulic, $152,500; time, 125 working days.

The following bids were received by Board of Education May 22 for construction of new public school No. 81 on 119th St., near Seventh Ave.: R. E. Heningham, 4 Court Square, $310,714; Thos. B. Leahy Building Co., 1 East 42d St., $360,670; Geo. Hildebrand, 38 Park Row, $316,400; P. Sullivan, 230 Grand St., $328,000; C. H. Peckworth, 415 Hudson St., $311,305; P. J. Walsh, 424 St. and Fifth Ave., $314,000; Thos Cockerill & Sons, 67th St. and Columbus Ave., $314,500; P. J. Brennan, 66th St. and Broadway, $309,400; Buckley Realty & Construction Co., Times Building, $320,640.

The Commercial Construction Co., 1 Madison Ave., was the lowest bidder, May 22, at $21,885, for installing electric equipment in new public school No. 147, Borough of Brooklyn.

Mulliken & Noeller, Archs., 7 West 38th St., have plans about completed for a $500,000 apartment house to be erected at Amsterdam Ave. and 73d St., for the Central Realty Co., 57th St. and Seventh Ave., care of J. H. Todd. Brick, stone and steel, 12 stories, 110 x 120 ft. Owners will build and take figures on sub-contracts immediately, which include heating system, boilers, engines, generators, motors, elevators, pumps, 'phone system, electric wiring, terra cotta, structural steel, plaster, carpenter work.

Neville & Bagge, Archs., 217 West 125th St., have plans in progress for an apartment house to be erected at Broadway and 121st St., for A. C. & H. M. Hall, 358 West 125th St. Brick, stone and steel, 6 stories, 200 x 100 ft. Engines, boilers, electric wiring, electric elevators, etc. Cost, $300,000.

General contract for new club-house to be erected at 120 Madison Ave., for Colony Club, has been awarded to JACOB A. YOUNGS, 1135 Broadway. Cost, about $200,000. McKim, Mead & White are Archs., 160 Fifth Ave. Previously noted.

Edward P. Casey, 1 Nassau St., is taking figures on an addition to rectory of Protestant Episcopal church, 200 Madison Ave., which includes extensive interior decorations, new electric switchboards and wiring. Cost, $50,000.

Vrydaugh & Wolfe, Archs., Pittsburg, Pa., are about ready for figures on a warehouse to be erected at Charlton and West Sts., for W. J. Heinz Pickle Co. Brick and steel, 8 stories, 75 x 100 ft. Elevators, boilers, heating system, electric wiring, etc.

Robt. T. Lyons, Arch., 31 Union Square, has plans in progress for an apartment hotel to be erected at 70th St. and Central Park West for Peter Banner, 642 Broadway. Brick, stone and steel, 14 stories, 100 x 175 ft. P. R. Moses is Consult. Engr., 320 Fifth Ave. Engines, boilers, storage battery, refrigerating plant, blowers, etc.

Plans have been filed by G. F. Pelham, Arch., 503 Fifth Ave., for five six-story flats, each 50 x 87 ft., to be erected on 120th St., near Lenox Ave., for J. Weinstein & Co. Cost, $350,000.

MILLER-COLLINS CO., 1133 Broadway, has been awarded contract for structural steel work of building for Gorham Mfg. Co., 384 Fifth Ave. C. T. Wills is General contractor; McKim, Mead & White are Archs. Previously noted.

FORT TOTTEN, N. Y.—Bids are asked until June 13 for door and window screens for seven buildings at Fort Totten. Capt. Geo. H. McManus, C. Q. M., Fort Totten, Willetts Point, N. Y. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked by James F. Ahearn, Boro. Pres., until June 22 for alterations in rooms on basement, first, second, third, fourth, fifth mezzanine, sixth, seventh, eighth and attic floors; also for extension to the electric lighting equipment, plumbing and heating, carpenter and cabinet work, hardware, metallic and other furniture, painting, electric lighting fixtures, marble and bronze work, plastering, fireproofing, and other work, for the completion of the Hall of Records Building, Chambers, Centre, Reade and New Sts., in Borough of Manhattan.

OSWEGO, N. Y.—Bids are asked until June 15 for construction, plumbing, heating and electric wiring of two double brick barracks, and one brick barrack, at Madison Barracks, New York. Capt. W. M. Coulling, Q. M., U. S. A. (Advertised, Engineering News.)

ALBANY, N. Y.—Bids are asked by Board of Contract and Supply until June 5, 3 p. m., for repairs and improvements to public school buildings Nos. 2, 5, 8, 11, 13, 14, 15 and 21; also for repairs to warm-air furnaces, and decking and diaphragming of same, in public schools Nos. 1, 3, 4, 7 and 14. Isidore Wachsman, Clk.

FORT WADSWORTH, N. Y.—Bids are asked until June 10 for building N. C. O. quarters. Lieut. Edmund T. Weisel, Q. M.

NEWARK, N. J.—L. H. Broome, Arch., 15 Exchange Place, Jersey City, N. J., has plans in progress for a department store to be erected for F. G. Agens, 13 Beaver St., Newark. Brick and stone, 3 stories, 75 x 375 ft. Boilers, engines, sprinkler system, structural steel, etc. Cost, $100,000.

JERSEY CITY, N. J.—John T. Rowland, Arch., 15 Exchange Place, has been commissioned to prepare plans for a $250,000 schoolhouse here. Brick and stone, 4 stories, 160 x 320 ft. Cost, $150,000.

PATERSON, N. J.—City of Paterson has made an appropriation of $275,000 for new high school building. Architect will soon be appointed.

WEST HOBOKEN, N. J.—Ed. Crandall, 401 Clinton Ave., West Hoboken, is low bidder on mason work and H. Bove, 706 De Mott St., West Hoboken, is low bidder on carpenter work for new $75,000 school-house to be erected here. Ed. McDermott, 582 Spring St., West Hoboken, is Arch.

FORT HANCOCK, N. J.—Bids are asked until June 16 for erection of ordnance barracks. Address commanding officer.

HARRISBURG, PA.—The contract for dispensary and corridor addition of Harrisburg hospital has been let to W. O. WEAVER, of Harrisburg, for $54,750.

PHILADELPHIA, PA.—Contracts for construction of Southern Manual Training School and for four new elementary school-houses were awarded by Board of Education's Committee on Property May 16. Proposals for buildings were opened two months ago, but were laid over because the appropriation was $86,403 less than lowest bids. That deficiency was made up by special appropriation of the amount needed in an ordinance signed by the Mayor May 10. Following is the list of awards: Southern Manual Training School, Broad and Jackson Sts., CRAMP & CO., 1421 Filbert St., $361,937; A. D. Bache School, 22d and Brown Sts., J. R. WIGGINS & CO., 721 Heed Bldg., $124,000; Minnie Murdoch Kendrick School, 38th St. and Powelton Ave., J. R. WIGGINS & CO., $63,000; fifteenth-division school-house, 32d and Berks Sts., E. F. FONDER & CO., Land Title Bldg., $84,000; eighth-division school-house, Rhawn and Dittman Sts., THOMAS REILLY, 1616 Thompson St., $53,466.

OIL CITY, PA.—F. S. Stevenson Contracting Co., Dallas, Tex., was the lowest bidder May 22, at $47,500, for construction of U. S. post-office at Oil City.

BALTIMORE, MD.—Thomas O'Neill, of O'Neill & Co., Charles and Lexington Sts., has commissioned Baldwin & Pennington, Archs., 311 North Charles St., to prepare plans and specifications for store and office building on Charles, opposite Pleasant St. five stories, 47 x 100 ft. Cost, about $50,000.

TOWSON, MD.—Bids are asked by County Commissioners until June 16 for new concrete and steel cell work, plumbing, window guards, etc., to be furnished and erected in Baltimore County Jail Building at Towson. Jos. S. Nussear, Jr., Arch., 7 Clay St., Baltimore, Md. (Advertised Engineering News.)

WASHINGTON, D. C.—Bids are asked at office of Superintendent U. S. Capitol Buildings and Grounds, until June 14, for furnishing electric lighting fixtures for House and Senate wings, and heating and ventilating work, U. S. Capitol Building; for reconstruction of skylights over Senate and House of Representatives, and for building materials such as cement, sand, etc. Elliott Woods, Supt. (Advertised, Engineering News.)

WASHINGTON, D. C.—Specifications for municipal building here are on file in office of Engineering News, 220 Broadway, New York. Bids will be opened July 1, as advertised in Engineering News.

WASHINGTON, D. C.—Bids are asked by Department of Interior until June 29 for construction of new Freedmen's Hospital building and accessories at Washington. (Advertised, Engineering News.)

WASHINGTON, D. C.—Contract for structural steel work for construction of office building for House of Representatives, Washington, D. C., has been awarded to the AMERICAN BRIDGE CO., 100 Broadway, New York, at $36,500. Bids were opened May 17 by Elliott Woods, Supt. of Capitol and Grounds.

FORT MONROE, VA.—Bids are asked until June 24 for construction, plumbing, heating and electric wiring for three single and one double officers' quarters, seven double N. C. officers' quarters, commissary, Q. M. office and galvanometer house (all of brick) at Fort Monroe, Va. C. P. Townsley, Q. M., U. S. A. (Advertised, Engineering News.)

PARKERSBURG, W. VA.—The contract for reconstruction of main building of West Virginia Wesleyan University, recently burned, was awarded to A. E. WITHROW & CO., of Charleston. Cost, about $75,000.

ROCK HILL, S. C.—Bids are asked by James Knox Taylor, Supv. Arch., Washington, D. C., until June 6, 3 p. m., for construction, complete, of U. S. post-office at Rock Hill.

SAVANNAH, GA.—Bids are asked by James Knox Taylor, Supv. Arch., Washington, D. C., until June 14 for the installation of an electric passenger ele... and an electric dumb waiter in U. S. m... hospital building at Savannah.

BIRMINGHAM, ALA. ... five-story office building, to cost ab... $75,000, will be erected here by the C... Real Estate & Investment Co.

MONTGOMERY, ALA. ... Capitol Building Commissioners ha... July 1 as the final date on which co... ive plans for a general enlargement and ... vement of capitol, including wing on ... side, will be received. Cost, about $...

NEW ORLEANS, L... Court-House Commission invites plan... architects for a court-house. Cost not ... eed $80,000. Plans to be delivered to ... mission, 12th Hibernia Bank Bldg., not ... than June 15.

CINCINNATI, O.—Bid... asked by Board of Education until June ... Board for a new school building on ... the erection of Cormany, Chn. of Com. St. Jacob E...

MARION, IND.—Bids ... ed by B. L. French, Arch., until June ... the installation of a heating plant in ... Home.

INDIANAPOLIS, IND. ... E. C. Leland, Business Director of I... polis School Board, will receive bids u... 13 for the erection complete of boiler ... and closets and the remodeling and ... of public school building No. 11, a... for labor and material to install com... the heating, ventilating and plumbing o... No. 11.

ANN ARBOR, MICH.—W... informed that bids will be received ... June 12 for the erection of a high schoo... building to cost about $200,000, and a library ... cost $30,000. E. W. Groves, Cy. Engr.; ... Ray, Secy. of School Board.

MUSKEGON, MICH.—C. W. ... NDELE CO., 3333 La Salle St., Chicago, ... has been awarded the contract for build... a government building here, at $48,...

EAST ST. LOUIS, ILL.—Geo. Mar. Jones, of the St. Louis National Stock Yards of East St. Louis, has contracted with A. B. Frankel, Arch., of East St. Louis, to draw plans and to supervise the erection of new mule barns at the stock yards to replace those recently destroyed by fire. The barns will be of brick and steel and will cost about $32,000 each.

EAST ST. LOUIS, ILL.—We are informed that bids will be received by Board of Education until June 5 for building an addition to Lincoln school. J. J. Reader, Secy.

MADISON, WIS.—The contract for new Madison high school, without equipment, has been let to T. C. McCarthy, of Madison, for $221,808.

WINONA, MINN.—We are informed that the Normal Board will open bids on June 7 for placing a new roof on main building of normal school here, and the installation of heating and ventilating plant. Est. cost, $35,000. G. P. Coleman, Cy. Engr.

MINNEAPOLIS, MINN.—The J. I. Case Threshing Machine Co. has arranged with Henry Eustis for the erection of a $150,000 warehouse on Washington Ave.

FORT SCOTT, KAN.—Bids are asked by County Commissioners until June 9 for the erection and installing of a steam heating plant in court-house and jail. Chas. E. Holstein, County Clk.

KOUNTZE, TEX.—This county will issue $40,000 in bonds for the purpose of building a new county jail. Jack Dies, of Kountze, can give information.

SAN FRANCISCO, CAL.—Bids are asked by James Knox Taylor, Supervising Arch., Washington, D. C., until July 20 for construction of U. S. Custom House at San Francisco. (Advertised, Engineering News.)

MONTREAL, QUE.—Plans are being prepared by Darling & Pearson, Archs., Toronto, Ont., for a bank and office building for the Canadian Bank of Commerce. Cost, $1,500,000.

MONTREAL, QUE.—The Eastern Townships Bank will erect a new block here at a cost of $300,000.

MONTREAL, QUE.—The Sisters of Notre Dame Congregation, of Montreal, will erect a large convent on Sherbrooke St. Brick and stone, 5 stories, 578 x 50 ft. Cost, about $1,500,000, exclusive of equipment.

TORONTO, ONT.—Carrere & Hastings, Archs., 28 East 41st St., New York, are taking figures on a bank and office building to be erected at Toronto by the Traders' Bank of Toronto. Brick, stone and steel, fireproof, 15 stories, 90 x 100 ft. Engines, boilers, pumps, blowers, intercommunicating 'phone system, refrigerating plant, filter system, etc. Cost, $500,000.

WINNIPEG, MAN.—A. & W. Melville, Union Bank Bldg., are preparing plans for a $1,000,000 business block and arcade. Tenders for construction will probably be called for soon.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

GORHAM, N. H.—Contracts for construction of water-works for this place are stated to have been awarded May 20, as follows: Hydrants, valves, etc., THE FAIRBANKS CO., Boston, Mass.; pipe, THE AMERICAN SPIRAL PIPE WORKS, New York, the supply pipe from the source to the reservoir; THE READING FOUNDRY CO., Reading, Pa., 12-in. pipe; THE DONALDSON IRON CO., of Emaus, Pa., all other sizes; excavation, laying pipe and setting hydrants, MOORE & CO., Boston, Mass.

NORTHFIELD, VT. — Specifications for building covered distributing reservoir and appurtenances and for laying cast-iron water pipes, etc., for this village, may be seen at office of Engineering News, 220 Broadway, New York. Bids asked until June 6, as was stated in our advertising columns in the May 18 issue.

HARDWICK, VT.—We are informed that this village has voted to increase its water supply at a cost of about $4,000. Water from three springs is to be delivered into present reservoir. The village will be ready to contract the work in about 10 days. 1½-in., 2-in. and 2½-in. galvanized iron pipe will be used. John L. Collins, 444 Broadway, Albany, N. Y., is Des. Engr., and C. L. French, Village Pres., is official in charge.

SOUTHBRIDGE, MASS.—Proposals will be received at office of Moore & Smith, Engrs., 44 Front St., Worcester, Mass., or at office of Southbridge Water Supply Co., Southbridge, until 1 p. m. June 6, for construction of two storage reservoir dams on Hatchet Brook, in Southbridge.

NEW YORK, N. Y.—Following bids were received May 4 by Department Water Supply, Gas and Electricity for furnishing, delivering and laying water mains and appurtenances in streets and other streets in Brooklyn: Jno. Cashman, Brooklyn, N. Y., $17,406; Borough Construction Co., Brooklyn, $18,870; Isaac Harris, Brooklyn, $20,837. Bids were also received May 24, as follows, for tapping 20-in. and 30-in. mains in service and hauling and setting six 6-in. hydrant service mains in Brooklyn: J. W. Griffen, Arlington, N. J., $26,225; Isaac Harris, Brooklyn, $42,687; Borough Construction Co., Brooklyn, $46,567; P. Goodman, 1068 Park Ave., New York, $49,460; M. J. Daly, Brooklyn, $43,465.

OSWEGO, N. Y.—Following bids are stated to have been received May 18 by Water Department, F. W. Ormsby, Supt., for furnishing pumps and other machinery for the lake water extension: Pumps—Kingsford Foundry & Machine Co., $2,250, alternative, $1,850; H. R. Worthington Co., New York, $4,700; Platt Iron Works Co., Dayton, O., $2,171; Buffalo Forge Co., Buffalo, N. Y., $2,700. Water wheels, shafting, etc.—Dayton Globe Iron Works Co., Dayton, O., $11,600; The Platt Iron Works Co., Dayton, O., $10,995; S. Morgan Smith Co., York, Pa., $13,300. Electrical apparatus—Stanley Electric Manufacturing Co., Pittsfield, Mass., $15,485; alternative $13,838; alternative, $15,117; Bullock Electric Co., Cincinnati, O., $13,787; Westinghouse Electric & Manufacturing Co., Pittsburg, Pa., $13,900; J. M. Roman Co., New York, $17,625; Bellman & Sanford, New York, $15,490; alternative, $16,892; alternative, $17,890; General Electric Co., Schenectady, $14,114.

SCOTIA, N. Y.—We stated in our last week's issue that contract for hydrants, valves and valve boxes for this village had been awarded to Fairbanks, Morse & Co. The contract was let to THE FAIRBANKS CO., Albany, N. Y., instead of the first-mentioned company.

CHITTENANGO, N. Y.—Central New York Water Co. has been incorporated with $100,000 capital to supply this place and East Wood with water. Among the directors are Harry B. Minge, New York; H. Bayard Hodge, Philadelphia, Pa., and Geo. M. Bunting, Chester, Pa.

CANASTOTA, N. Y.—Trustees have granted Central New York Water Supply Co. a franchise to lay water mains in the village streets.

ALBANY, N. Y.—We are informed that surveys and plans for new intake from filter plant to main waterway of Hudson River, for extensions and improvements to filter plant, for new 10,000,000-gallon pumping engine at Quackenbush St. station, and for improvements to distribution system will be begun June 1. Bids will be taken several months later. The estimated cost of the improvements is $400,000. Wallace Greenalch, Supt. Bureau of Water, is Des. Engr.

OSWEGO, N. Y.—Bids are asked by the Water Department until June 15 for laying the necessary pipe and special castings on land for the Lake Water extension. F. W. Ormsby, Secy. (Advertised, Engineering News.)

NEWARK, N. J.—Bids are asked by the Board of Street and Water Commissioners, 128 Halsey St., until June 8 for 1,205 gross tons of 4-16-in. c. i. water pipe and 75,000 lbs. of ordinary specials. Morris R. Sherred, Engr. and Supt. (Advertised, Engineering News.)

EMPORIA, VA.—Bids are asked by John R. Grizzard, Town Clk., until June 15 for tapping water mains and running service pipes inside curb line.

WHEELING, W. VA.—City Water Board has awarded contract for extension to boiler house at pumping station to N. C. HAMILTON & SON for $7,000. It is said that cost of improvements contemplated at the station will total about $25,000.

FORT McPHERSON, GA.—Bids are asked until June 15 for sinking tubular deep well, laying 480 ft. 10-in. drain and 11,500 cu. yds. grading at U. S. Rifle Range, Waco, Ga. Capt. B. B. Buck, Q. M.

MIAMI, FLA.—Contract for laying about 7,500 ft. of 24-in. pipe for supply line for city water-works has been awarded to CAPT. G. M. BAKER.

TUPELO, MISS.—The U. S. Bureau of Fisheries will bore an experimental deep well for fish hatchery at this place. Well will probably be 6-in. to 10-in., 1,000 ft. deep. C. P. Henkel, Supt., Turpelo, Miss.

BOLIVAR, TENN.—R. C. Wilkinson writes us that they have invited bids on $20,000 of bonds, proceeds of which are to be used for new city water works. They will not be ready for constructive work until June 20. Designing engineer had not been secured. Mayor and board are officials in charge.

CLARKSVILLE, TENN.—City is stated to have awarded contract for 2,000,000-gallon pump to HERRON PUMP CO. for $7,650.

HOPKINSVILLE, KY.—Chas. Hermany, 549 Third St., Louisville, Ky., is to prepare plans for a 17,000,000-gallon reservoir for the Hopkinsville Water Co.

LOVELAND, O.—We are informed that all material for proposed new water-works and electric light plant of Loveland City Electric Co. will be bought at once. Estimated cost of plant is $75,000. A 100-ft. tower, with 120,000-gallon tank, reservoir, 5½ miles cast-iron mains, 25 tons specials and 25 hydrants will be installed. Electric meters for 3,000 incandescent lights, two 125-KW. A. C. direct connected generators and engines, and two water tube boilers of 1,800 ft. heating surface will also be installed. H. C. Hubbell is Consult. Engr.

DAYTON, O.—Board Public Service is stated to have let contract for furnishing water meters to PITTSBURG METER CO., East Pittsburg, Pa., at the following figures: 1,000 ⅝-in., $5.85; 50 ¾-in., $9.40; 10 1-in., $12.50; 5 1½-in., $23; 5 2-in., $39; total, $6,755.

CHEVIOT, O.—Bids are asked by Charles Craig, Village Clk., until June 7 for labor and material for laying water pipe and setting fire hydrants in Harrison Ave., Crookshank Road, North Bend Road, Lovell Ave., Trevor Ave., Washington Ave., Carson Ave. and South St.

CINCINNATI, O.—Following bids were received by Water Commissioner for laying water pipe: Frank Byrnes, $10,175; Keeling & Ridge, $17,750; engineer's estimate, $8,445.

TOLEDO, O.—Bids are asked by the Board of Public Service until June 30 for the construction, delivery and erection of the low service pumping machinery for the improved water supply, consisting of two centrifugal pumps operated by gas engines with gas producers and two reciprocating 90 to 135 million duty, steam pumping engines with boilers. John Stollberg, Pres.; Harry Jones, Secy. Specifications may be seen at the office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

BRAZIL, IND.—We are informed that nothing has been done as yet toward putting down eight more wells for local water-works. In our issue of April 27 we stated that tests of two deep wells were being made, and if these were successful eight more wells would be sunk. Geo. A. Fletcher is official in charge.

ALPENA, MICH.—Contract for installing intake pipe for water-works now being constructed here is stated to have been let to BAY CITY IRON WORKS, Bay City, Mich., at about $10,000.

EAST MOLINE, ILL.—William H. Kimball, 69 McManus Bldg., Davenport, Ia., is to prepare plans for water-works and a large storm drain for this town.

ALTON, ILL.—We are informed that local water-works company, owned by S. L. Peck and others, expects to lay new mains for extensions, and also to set new high service pumps and low service pumps and to make some additions to filter plant. It is expected that plans will be completed about July 1. T. A. Taylor is Supt. W.-W.

WINSIDE, NEB.—We are informed that bids will be opened on or about July 1 for new city water-works, estimated cost of which is $12,000. A 60 ft. stand pipe, elevated about 100 ft. above street will be erected. A $10,000 bond issue is to be sold as soon as possible. E. W. Cullen is Chn. Cy. Bd.

CAMPBELL, NEB.—Village has voted $7,000 of bonds for construction of water-works.

ALCESTER, S. DAK.—Town Trustees have awarded contract for water-works to NATIONAL CONSTRUCTION CO., South Bend, Ind., for about $4,500.

HARVEY, N. DAK.—Contract for construction of water-works and sewerage is stated to have been let to R. L. BUTLER, Stillwater, Minn., for about $12,000.

SHERIDAN, WYO.—We are informed that the Kearney Lake Land & Reservoir Co. and the Big Horn Reservoir Co have not as yet perfected their plans and have not awarded contracts for the construction of their dams; they will probably contract for the same before June 22. W. S. Metz, 172 North Main St., Sheridan, is State Agent.

HAVRE, MONT.—Bids were opened by City Council May 12 for construction of part of local water system, including all of pumping plant, except engine and pumps, and contract was let to A. C. EDWARDS, Havre, for $8,369. The rest of the contracts were to be let at once.

KANSAS CITY, MO.—Contract for practically rebuilding of Quindaro pumping station so as to make it fireproof has been let to JOSEPH H. STONE for $17,000.

NEW MADRID, Mo.—Contract for constructing water-works for this place (bids opened May 17) has been awarded to G. JAGER, Rich Hill, Mo., for $17,945.

EL PASO, TEX.—We are informed that contracts for all pipe and machinery for new water-works of International Water Co. were let several months ago. The installation is by the company by day labor. The supply is to be from driven wells, six miles distant from city, and estimated cost of system is $500,000. D. H. Whitmer is Ch. Engr.

DALLAS, TEX.—Bids are asked by J. B. Winslett, Cy. Secy., until June 10 for construction of wooden conduit, 42 ins. in diameter, from the terminus of the concrete conduit at the Record pumping station to a point south 3,400 ft. J. M. Bassett, Ch. Engr. W.-W.

ECHO, ORE.—Franchise of J. L. Robinson for constructing water-works for this place has been extended. He proposes to construct reservoir and install 4-in., 6-in. and 8-in. mains, and a pumping station.

SAN JOSE, CAL.—Bids are reported asked by Henry A. Pfister, Clk., Supervisors, until 10 a. m., June 6, for 5,000 ft. 3-in. and 11,000 ft. 2-in. standard wrought-iron pipe, asphaltum dipped.

RENO, NEV.—Reno Power, Light & Water Co., according to reports, is to install an irrigation system to reclaim 10,000 acres of land in Prosner Valley.

RENFREW, ONT.—Contracts for water-works improvements here have been awarded as follows: Supply of direct connected pump and motor, JOHN McDOUGALL, CALEDONIAN IRON WORKS CO., Montreal, Que., $3,913; two filters, ROBERTS MFG. CO., Philadelphia, Pa.

OSHAWA, ONT.—Bids are asked by Thos. Morris, Secy. Water Comrs., until June 12 for laying 12-in. cast-iron submerged intake pipe, about 1,130 ft. long, for local water-works. Willis Chipman, Engr., 103 Bay St., Toronto, Ont.

WINNIPEG, MAN.—Bids are asked by the Fire, Water and Light Committee until July 3 for the construction of a covered concrete reservoir to hold 6,000,000 Imperial gallons. H. N. Ruttan, Cy. Engr. C. J. Brown, Cy. Clk. (Advertised, Engineering News.)

CALGARY, ALTA.—Bids are asked until June 7 for laying two miles of 6-in. water main; for laying 1½ miles tile sewer; for laying 90,000 sq. ft. concrete sidewalks with curb and gutter. F. W. Thorold, Cy. Engr.

SUSSEX, N. B.—This place has voted to spend $6,000 for improvement of water and sewerage system, and the Town Clerk writes us that no contracts have been let as yet as far as he knows.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

EDEN, ME.—We are informed that the town of Eden has just closed a contract with INGALLS & SMALL, of Bar Harbor, Me., for 850 ft. of 8-in. sewer. Cost, $3,000. Edgar I. Lord, Engr., Bar Harbor.

WATERBURY, CONN.—Plans for sewerage disposal plant have been approved by Board Public Works and R. A. Cairns, Cy. Engr., instructed to proceed with work of constructing plant. Cost, about $2,000.

ALBANY, N. Y.—Bids are asked by Board of Contract and Supply until June 5, 3 p. m., for laying vitrified stoneware pipe, sewers in Lancaster, Dove, Quail, Orange and South Pearl Sts. Isidore Wachsman, Clk.

BALLSTON SPA, N. Y.—We are informed that the following bids were received by Board of Trustees May 25 for about eight miles of sewers: Irwin & Koester, Greenville, O., $24,450; Albany Material & Construction Co., Albany, $20,378; J. H. Cement & Son, Schenectady, $29,776; DeNallo & Klingberg, Kingston, $32,592; Kellern & Shaeffer, Schenectady, $34,189; Chas. D. Beckwith, Schenectady, $36,334; Denniton & Co., Rochester, $37,822; T. J. Reynolds, Syracuse, $38,183; John E. Gaffney, Saratoga, $39,181; Martin Sweeney, Saratoga, $52,372; Wm. Stanton & Co., Cohoes, $53,834. John M. Farley, Engr., White Plains.

BROOKLYN, N. Y.—The contract for new sewer to drain the depressed section of Brighton Division through Flatbush has been awarded by Brooklyn Grade Crossing Commission to HENRY DUMARY, Division and Kent Aves., Brooklyn, for $10,600. The main is about 1,800 ft. in length and 36 in. in diameter.

LESTERSHIRE, N. Y.—Board of Trustees awarded to F. D. ALLEN & CO., of Oneida, the contract for constructing sewers, for $31,390.

NEWARK, N. J.—The new sewer in 18th and 19th Aves. will be built by HARRISON CONSTRUCTION CO., 39 South Eighth St., Newark, for $8,883, and that in East Kinney St., between New Jersey Railroad Ave. and Pacific St., by JOHN F. MURRAY.

TRENTON, N. J.—Bids are asked by Common Council until June 6 for constructing sewer in a portion of Clinton Ave. Harry B. Salter, Cy. Clk. C. C. Haven, Cy. Engr.

ATLANTIC CITY, N. J.—Bids are asked until 8 p. m., June 5 for constructing inlets. J. W. Hackney, Cy. Engr. (Advertised, Engineering News.)

FREEPORT, PA.—We are informed that contract for constructing sewers, grading, paving, etc., on High, Buffalo, Franklin and Third Sts. (bids received by Borough Council May 15) has been awarded to E. A. FRECKWATER & SONS, New Cumberland, W. Va.

GALLITZIN, PA.—Bids are asked by W. R. Conrad, Boro. Secy., until June 7, 12 m., for construction of a concrete sewer. Henry & Dillman, Engrs., Altoona Trust Bldg., Altoona, Pa.

NORTH BRADDOCK, PA.—Bids are asked by C. A. Stewart, Boro. Engr., until June 3, 12 m., for constructing terra cotta pipe sewers in Bowers St. and Grandview Ave., about 164 lin. ft. of 15-in., 600 lin. ft. 12-in., 150 lin. ft. 8-in., and 200 lin. ft. 6-in. pipe, five manholes and four catch-basins.

WASHINGTON, D. C.—Bids are asked by District Commissioners until June 10, 12 m., for furnishing terra cotta sewer pipe and branches.

EMPORIA, VA.—Bids will be received by John R. Grizzard, Town Clk., until June 15 for connecting lateral sewers for house connections into several main sewers, etc.

MORGANTOWN, N. C.—We are informed that bids will be received until July 1 for 23,000 ft. of 6 and 8-in. pipe sewers; est. cost, $12,000. W. E. Walton, Chn. Sewer Com.

BIRMINGHAM, ALA.—Jefferson County Sanitary Commissioner awarded contract, May 22 for construction of Valley Creek sewer septic tanks to the CROCKETT PAVING CO., for $18,439.

KNOXVILLE, TENN. — Board Public Works, it is stated, is planning to construct a number of new sewers. S. J. Moreland is Cy. Engr.

MIDDLETOWN, O.—We are informed that the council has authorized the construction of 10,000 ft. of sewer, 4,500 ft. of which will be constructed of concrete. Frank Doty, Engr.

MARION, O.—Bids are asked by Board Public Service until June 7 for constructing two sanitary sewers and cellar drains. William Fries, Clk.

XENIA, O.—Bids are asked by Board Public Service until June 10 for construction of about four miles of sanitary sewers. G. A. McKay, Cy. Engr.

FREMONT, O.—Board Public Service awarded to FARAGHAR & RANDALL, of Lorain, O., the contract to construct third ward sewer at $19,135.

TOLEDO, O.—The sewer in Jackson St. will be built by THOS. McKINNEY & SON, the Nasby, Toledo, for $60,644.

GREENSBURG, IND.—We are informed that bids will be wanted about June 21 for about 20 miles of sanitary sewers, 8 to 24-in.; sewerage disposal plant and three miles of storm sewers, 12 to 36-in. Wm. B. Ewing, Consult. Engr., 1003 Chamber of Commerce, Chicago, Ill.

PARIS, ILL.—See under Streets and Roads.

MILWAUKEE, WIS.—Contract for new sewers, amounting to approximately $65,000, were awarded May 20 by Board Public Works. C. J. CRILLEY, 2018 Cedar St., received most of the contracts.

SHAWANO, WIS.—We are informed that the contract for constructing about 10,000 ft. of sewers here was awarded to MAXEY & CRAY, of Manitowoc, Wis. Est. cost, $6,400. W. E. Wescott, Cy. Clk.

JANESVILLE, WIS.—Bids are asked by Street Assessment Committee until June 22 for construction of sewers in Linn, Pleasant and Chatham Sts. C. V. Kereh, Cy. Engr.

CRESTON, IA.—Bids are asked by A. W. Schimpff, Cy. Clk., until June 5, 8:00 p. m., for construction of a sewer.

DENISON, IA.—We are informed that the matter of laying sewers will not be taken up by the city until June 5. H. W. Faul, Clk.

SIOUX CITY, IA.—Bids are asked by City Clerk until June 6, 8 p. m., for construction of an 8-in. sanitary sewer on West First St. J. M. Lewis, Cy. Engr.

NEW GERMANY, MINN.—Bids are asked by Common Council until June 6, 1:00 p. m., for construction of approximately 3,000 ft. of 10-in. and 610 ft. of 8-in. sewers, with appurtenances. J. E. Egan, Engr., 10 Third St. S., Minneapolis.

GALVESTON, TEX.—Bids are asked until June 22 for extension of 33d St. sewer. John D. Kelley, Cy. Secy.; C. G. Wells, Cy. Engr. (Advertised, Engineering News.)

TULSA, IND. T.—We are informed that $30,000 bonds will be sold on or about June 1 for a sewer system. J. Gus Patton, Cy. Engr.

DENVER, COLO.—Board Public Works, May 20, passed a resolution to advertise for bids for construction of sanitary sewers in Highland's special sewer district No. 8.

PUYALLUP, WASH.—Contract for construction sewer in district A has been awarded to JAMES LEE, of Tacoma, for $24,035.

SACRAMENTO, CAL.—Plans and specifications for the proposed concrete trunk line sewer will be ready in July, we are informed. J. C. Pierson, Cy. Engr. Est. cost, $80,000. Previously noted.

SAN JOSE, CAL.—Two bids for septic tank were received by Board of Trustees, but were rejected as they were too high. New bids will be called for.

FORT WILLIAMS, ONT.—John Galt, Engr., Toronto, Ont., has been engaged by Council to prepare plans for sewerage system and water-works.

CALGARY, ALTA.—See under Water-Works.

MAPLE CREEK, N. W. T.—The town has passed a money by-law for the installation of a water-works and sewerage system. Address, D. Kearns.

FERNIE, B. C.—T. H. Tracey, Engr., Vancouver, B. C., has been engaged to prepare plans for sewerage system and water-works. Est. cost, $80,000.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—Bids are asked by Commissioner of Street Cleaning, 13 Park Row, until June 8 for furnishing and delivering materials for completing the rubbish incinerator at Delancey Slip: Item I.—Structural steel; Item II.—Facing bricks, common bricks, cement, fire clay, sand, powdered slate, broken stone, etc.

IRVINGTON, N. J.—Contract for removal and disposal of ashes and garbage for one year has been awarded to MICHAEL O'CONNOR, Arlington, for $1,100.

FORT WAYNE, IND.—City is stated to have awarded contract to THE BASH PACKING CO., for collection of garbage. Contract price is $9,000 per year. The company will extract from the garbage its phosphates and other chemicals used in the manufacture of fertilizer.

LOS ANGELES, CAL.—City Council is stated to have awarded contract for garbage incinerator to DECARIE MANUFACTURING CO., Minneapolis, Minn., for $70,864.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—Bids are asked by Maj. John E. Baxter, Q.-M., U. S. A., 170 Summer St., Boston, until June 14, for construction of section macadam roadway, brick gutter and granolithic pavements, at Fort Strong, Long Island, Mass.

BOSTON, MASS.—Bids are asked by H. V. Macksey, Act. Supt. of Streets, until June 2, 12 m., for paving and regulating Blackstone St.

WEST BOYLSTON, MASS.—H. GORE CO., 54 Kilby St., Boston, was the lowest bidder for building about 2¼ miles of macadam road here for the Metropolitan Water and Sewerage Board, 1 Ashburton Place, Boston, at $7,292 for Sec. 1, and for Sec. 2, $9,361, and were awarded contract.

SCHENECTADY, N. Y.—An ordinance has been passed by Common Council directing the repaving of Jay St. with sheet asphalt.

PROVIDENCE, R. I.—Bids are asked by State Board of Public Roads until June 7 for construction of state highways, about 29,040 ft., in various towns.

BUFFALO, N. Y.—Bids were opened May 20 by Francis G. Ward, Comr., Dept. Pub. Wks., on several street paving contracts. The respective low bidders: Virginia St., German Rock Asphalt & Cement Co., D. S. Morgan Bldg., asphalt, $9,220; Fox St., German Rock Co., asphalt, $5,290; Washington St., German Rock Co., asphalt, $8,600.

GLOVERSVILLE N. Y.—Specifications for paving in Gloversville are on file in office of Engineering News, 220 Broadway, New York. Bids will be opened June 5, as advertised in Engineering News.

ALBANY, N. Y.—Bids are asked by Board of Contract and Supply until June 5, 3 p. m., for the improvement of Liberty St. by grading, curbing and paving carriageway with granite blocks, repairing and laying sidewalks with flags and vitrified bricks and building receiving basins. Isidore Wachsman, Clk.

CORNING, N. Y.—Specifications for paving East Market St. with brick are on file in office of Engineering News, 220 Broadway, New York. Bids will be opened June 15, as advertised in Engineering News.

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until June 14 for regulating, paving and laying sidewalks on various streets.

FREEHOLD, N. J.—Bids are asked Board of Chosen Freeholders until June 14 for building first section of Freehold and Colts Neck macadam road, over three miles long. Peter Forman, Engr., Manalapan, N. J. (Advertised, Engineering News.)

Bids will be received at the same time and place for building first section of Allentown and New Egypt stone road, over three miles long. (Advertised, Engineering News.)

ELIZABETH, N. J.—Jefferson Ave. and Anna St. will soon be paved with asphalt. N. K. Thompson is Street Comr.

MORRISTOWN, N. J.—Bids are asked by Board of Chosen Freeholders until June 10 for macadamizing Morris Plains and Parsippany Road and the Green Village and Madison Road. G. A. Decker, Dir.

HOBOKEN, N. J.—Bids are asked by Mayor and Council until June 14 for the improvement of Madison St. by regulating grade, resetting curbs, relaying crosswalks and repairing roadway with present Belgian block pavement. James H. Londrigan, Cy. Clk.

WASHINGTON, PA.—The State Highway Department has let contract for construction of about six miles of public roads in Robinson, Mt. Pleasant and Fallowfield Townships, total cost to be $58,263. E. FELKEL, SON & CO., of Pittsburg, secured the contract for Robinson and Mt. Pleasant roads, and HASTINGS & BARRET, of Charleroi, for the Fallowfield road.

CHESTER, PA.—Bids are asked by Frank W. Harrison, Cy. Clk., until June 5, 7.30 p. m., for paving roadway of Sixth St. with sheet asphaltum.

PITTSBURG, PA.—Contract for repaving of Annabel, Bryant, Cordelia and Portland Sts. was let to the BARBER ASPHALT PAVING CO., at its bid of $1.56 a sq. yd.

TAMAQUA, PA.—Bids are asked by Town Council until June 6 for paving portion of Mauch Chunk St. with vitrified shale paving bricks or blocks on cement foundation. Work consists of about 2,500 sq. yds. paving. W. F. Leopold, Secy.; Lehigh Engineering Co., Engrs., Allentown, Pa. (Advertised, Engineering News.)

EMLENTON, PA.—We are informed that the voters at a special election May 23 authorized a bond issue for paving Main St. with brick, 2,476 ft. long by 32½ ft. wide. Plans are being prepared by H. J. McKinly, Boro. Engr., and will be in the hands of F. H. Krear, Boro. Secy., in a few days.

FEDERALSBURG, MD.—Bids are asked by J. W. Noble, Secy. Bd. of Town Comrs., until June 3 for laying about 18,000 sq. ft. of cement walks.

WASHINGTON, D. C.—Bids are asked by Isthmian Canal Commissioner until June 24 for furnishing 3,000,000 paving brick. Maj. H. J. Gallagher, U. S. A., Purchasing Agent.

WASHINGTON, D. C.—Contract for grading Clifton St., N. W., was awarded May 17 to MATTHEW MYERS, for $7,000.

WILLIAMSBURG, VA.—The City Council has awarded W. H. SWEANEY & SON, a local firm, the contract for paving sidewalks of Duke of Gloucester St. Work is to begin at once.

NEW ORLEANS, LA.—Bids are asked by Chas. R. Kennedy, Compt., until June 5, 1 p. m., for paving with asphalt Lapeyrouse, Carondelet and Dorgenois Sts.

LOUISVILLE, KY.—The Barber Asphalt Paving Co., 347 Fifth Ave., Louisville, was the lowest bidder for paving Frankfort Ave. with asphalt, a distance of 4,100 ft. The bid was $1.81 per sq. yd.

CLEVELAND, O.—Bids are asked by County Commissioners until June 10, 11 a. m., for improving state road. Wm. H. Evers, Engr.; Julius C. Dorn, Clk.

CINCINNATI, O.—Sycamore St. hill is to be paved with bitulithic. J. E. Breen is Cy. Engr.

PAINESVILLE, O.—We are informed that all bids received May 23 for 2,177 sq. yds. of brick paving were rejected and new bids will be received June 13. H. P. Cumings, Cy. Engr.

TERRACE PARK, O.—Bids are asked by Village Council until June 16 for constructing cement or artificial stone sidewalks on Rugby, Amherst and Miami Aves. James W. Sibley, Clk.

LISBON, O.—Bids are asked by County Commissioners until June 16 for grading of Calcutta Road.

GREENSBURG, IND.—County Commissioners will receive bids for construction of 31 miles of gravel road in Adams and Clinton Townships.

READERS' WANTS

If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of ENGINEERING NEWS BUYERS' GUIDE will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. Do not fail to write our advertisers or us.

BOILER CASTINGS.—Cherryville, N. C.—The Cherryville Mfg. Co. is in the market for boiler castings.

GASOLINE ENGINE.—St Francis, Fla.—John E. Harris is in the market for an 8 to 12 HP. gasoline engine.

GASOLINE ENGINE.—Birmingham, Ala.—W. H. Owings, 2105 Second Ave., is in the market for a small engine.

HOISTING ENGINE.—Fort Worth, Tex.—W. M. Graham, Contractor, 1901 Jennings Ave., is in the market for the above.

STONE CRUSHER, ROAD ROLLERS, ETC.—Hillsboro, N. C.—E. A. Hughes is in the market for a complete road-making plant for the Hillsboro Road District.

BOILERS.—Winona, Minn.—G. P. Coleman, Cy. Engr., writes us that the city expects to change the arrangement of its water station and will be in the market in the near future for boilers.

TURBINE WATER WHEELS, AGRICULTURAL IMPLEMENTS, ETC.—Philippines.—Pollard & Freeman, Engrs., of Capas Tarlac, P. I., write us that they are in the market for a turbine water wheel, and also want prices of agricultural machinery.

PHOSPHATE MACHINERY. — Nashville, Tenn.—J. S. Johnson, Gen. Mgr., Paragon Phosphate Co., is reported in the market for phosphate machinery for a plant of 50 to 100 tons capacity daily.

PIPE THREADING AND CUTTING MACHINE AND RATCHET AND HYDRAULIC JACKS.—Humble, Tex.—It is stated that the Decke Well Supply Co., O. Woodhead, Mgr., is in the market for the above.

GENERAL REPAIR WORK.—Lancaster, Pa.—Frank J. McDwitt, M. E., of Lancaster, writes us that he wants names of firms located in or near New York who do a general repair business of engines and boilers.

WATER DISTILLING PLANT.—Oneida, N. Y.—W. M. Booth, 712 Dillaye Bldg., Syracuse, N. Y., wants names and addresses of firms making an apparatus capable of distilling 10,000 gals. of water a day to be installed at Oneida.

DYNAMITE MAGAZINE.—Mexico. — Luis Barregan, State Government Engineer, 8 Independencia, No. 8, San Luis Potosi, Mex., writes us that he has a commission to establish a dynamite magazine near San Luis Potosi, and wishes data regarding the building of such magazines.

WASHINGTON, IND.—County Commissioners are preparing to ask for bids for construction of 25 miles of gravel road.

CRAWFORDSVILLE, IND.—Henry B. Heulet, Cy. Clk., will soon ask for bids for paving West Main St. with vitrified brick, also for cement sidewalks in Jefferson St. and Wabash Ave.

BLOOMFIELD, IND.—Bids will be received by County Commissioners until June 10 for construction of a gravel road in Spofford Township. W. H. Deckard, County Audr.

FREEPORT, ILL.—Bids are asked by Board Local Improvements until 2 p. m. June 3 for brick paving and cement curb and gutter on Liberty St. G. Graham, Cy. Engr. (Advertised, Engineering News.)

PEORIA, ILL.—Linn St. is to be paved with brick. W. L. Stebbings is Cy. Engr.

LA CROSSE, WIS.—Bids are asked by Board Public Works until June 17 for improving Tenth St. The work amounts to approximately as follows: Combination cement curb and gutter, 3,204 lin. ft.; concrete driveway, 1,080 sq. ft.; macadam, 51,503 sq. yds.; grading, 2,360 cu. yds.

WATERLOO, IA.—MAGDEN & SHEELEY, of Des Moines, have secured a large brick paving contract in Waterloo, at $1.73¼ per sq. yd. C. T. Wilson is Cy. Engr.

CLINTON, IA.—We are informed that 50,000 sq. yds. of brick paving was ordered, some of the Council, however, favored asphalt. Chas. P. Chase, of Iowa Engineering Co., Cy. Engr.

DULUTH, MINN.—Board Public Works will macadamize Winter St. Est. cost, $8,550.

ST. PAUL, MINN.—Bids are asked by County Commissioners until June 5 for construction of a stone and gravel road on Rice St. Edw. G. Krahmer, County Audr.

ST. JOSEPH, MO.—Ordinances provided for paving of Fourth St. and Mitchell Ave. with brick has passed the Council. W. H. Floyd, Jr., is Cy. Engr.

ST. JOSEPH, MO.—The following contracts for paving were awarded by Board Public Works to PHOENIX BRICK & CONSTRUCTION CO.: Sixteenth St., brick, $4,317; Second St., brick, $7,732; Robidoux St., brick, $4,723. RACKLIFFE & GIBSON secured contract for paving of 21st St., at $7,732.

LITLE ROCK, ARK.—We are informed that the contract for paving East Ninth St. with vitrified brick was awarded May 22 to the NASHVILLE ROOFING & PAVING CO., of Nashville, Tenn. Cost, about $30,000. E. A. Kingsley, Cy. Engr.

SHAWNEE, OKLA.—We are informed that the city is paving on an extensive plan with brick and asphalt and J. Robert Burnham, Engr., Romulus, Okla., is in the field for all information in this line.

DENVER, COLO.—The Denver-Pueblo Construction Co. was the lowest bidder, at $143,561, for work to be performed in West Denver Improvement District No. 1.

TACOMA, WASH.—We are informed that the city will pave North Second and Third Sts. with asphalt, about 3,005 sq. yds. Est. cost, $9,459. Frank L. Davis, Cy. Engr.

NORTH YAKIMA, WASH.—Bids are asked by County Commissioners until June 5, 2 p. m., for grading J. E. Linthicum Road. W. B. Newcomb, County Clk.

SONORA, CAL.—Bids are asked by J. B. Doyle, Clk., Bd. of Supv., until June 6 for construction of two sections of South Grove wagon road in District No. 2.

WELLS, NEV.—Bids are asked by County Commissioners until June 5 for construction of 2,400 ft. of wagon road. A. G. Dawley, Clk.

MONTREAL, QUE.—The city contemplates the paving of number of streets, to cost $345,140. John R. Barlow is Cy. Surv.

CALGARY, ALTA.—See under Water-Works.

NIAGARA FALLS, ONT.—We are informed that tenders will be asked for shortly for 7,500 sq. yds. of brick paving. J. H. Jackson, Cy. Engr.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

LAWRENCE, MASS.—The contract to erect the large plant for the Arlington mills of Lawrence has been awarded. The entire improvements will cost at least $2,000,000. Address Wm. D. Hartshorne, Methuen, Mass.

PEABODY, MASS.—Contract to build a six-story tannery, 210 × 76 ft., for the A. C. Lawrence Leather Co., has been let to COBURN & BROUGHTON, of Boston. The first two stories will be of iron and concrete and the remainder of brick.

ENDICOTT, N. Y.—E. W. Van Slyke, Arch., Binghamton, N. Y., has completed plans for an addition to Endicott Johnson Shoe Co.'s plant, at Endicott. Brick, 5 stories, 160 × 80 ft. Cost, $24,000. Day work.

ALBANY, N. Y.—Marcus T. Reynolds, 100 State St., is preparing plans for buildings, to replace those destroyed by fire at plant of P. K. Dederick's Sons, Tivoli St.

ALBANY, N. Y.—W. J. Obenaus, Arch., 86 State St., has plans prepared for a two-story concrete building, 156 × 45 ft., for Hisgen Bros., Tovoli St., manufacturers of lubricating compounds. Cost, $15,000.

BROOKLYN, N. Y.—A. Rissler, Arch., Broadway and Myrtle Ave., has plans for a factory for Duhamel & Bruckner, 368 Marcy St. Cost, $12,000.

MILLHAM JUNCTION, N. J.—Contract for new Pennsylvania Railroad shops has been awarded to RODYHOUSE, AREY & CO., Fidelity Bldg., Philadelphia, Pa. Cost, $50,000.

NORRISTOWN, PA.—Ballinger & Perrot, 1200 Chestnut St., Philadelphia, have plans ready for bids for an addition to factory at Norristown for Quaker City Shirt Mfg. Co.

PHILADELPHIA, PA.—Savery, Sheetz & Savery, Archs., Stephen Girard Bldg., have plans ready for bids for an addition to factory at 346 East Walnut lane, for the Excelsior Underwear Co.

YORK, PA.—Hamme & Leber, Archs., Wiest Bldg., York, have invited bids for an addition to plant of York Carriage Co. Brick, 4 stories, 60 × 100 ft.

PHILADELPHIA, PA.—WM. STEELE & SONS, 1600 Arch St., have the contract and have invited bids on materials for an addition to a manufacturing plant. Brick, 2 stories, 130 × 50 ft.

WILMINGTON, DEL.—A. S. REED & BRO. CO., Wilmington, have been awarded contract for the erection of an experimental station for E. J. Dupont Powder Co. Brick, 2 stories, 140 × 150 ft.

BALTIMORE, MD.—Geo. Clothier, Arch., Loeb Bldg., is preparing plans for factory for the National Envelope & Paper Co. Brick and steel, 3 stories, 60 × 300 ft.

The Colgate Distilling Co., of Cincinnati, O., has awarded contract to BOLLINGER-ANDREWS CONSTRUCTION CO., Empire Bldg., Pittsburg, Pa., for the erection of a distilling plant, which will consist of a group of 12 buildings. Contractor in charge of all power equipment. About $125,000 will be expended.

The Baltimore Bridge Co., Bush and Wicomico Sts., will erect building at Bush St. and B. & O. Railroad; one-story, 90 × 200 ft. Cost, $11,000.

Walter Stebbins & Co., machinists, will erect an additional story, 40 × 110 ft., to their factory at Charles and Lombard Sts. Cost, $10,000.

HAMPTON, VA.—The Newport News & Old Point Railway & Electric Co. has let contract to E. MORGAN, of Newport News, at $33,948, for the erection of shops, 60 × 160 ft.; car barn, 250 × 140 ft.; office, 45 × 90 ft., and oil house, 45 × 90 ft.

RICHMOND, VA.—The plate glass and mirror factory owned by Binswanger & Co. was destroyed by fire. Loss, $75,000.

TAMPA, FLA.—It is announced that the Florida Ice & Cold Storage Co. desires to purchase a 50-light generator and a pump. A. C. Moore is Pres.

MONTGOMERY, ALA. — [illegible] Holcombe St., will pro[illegible] manufacture of compos[illegible] and wants full descript[illegible] chinery for this purpose[illegible]

FLORENCE, ALA.—T[illegible] Fertilizer Co. will incr[illegible] its plant. The compa[illegible] property of Florence [illegible] build a model fertilizer [illegible] yearly capacity.

NEW ORLEANS, LA.—[illegible] 818 Common St., New [illegible] for factory building for s[illegible]

LYNCHBURG, TENN.—[illegible] erect a distillery here at [illegible] $100,000.

KNOXVILLE, TENN.—[illegible] foundry of William J. Ol[illegible] doubled. Another buildin[illegible] be constructed and presen[illegible] will be used for addition[illegible] Plans for construction are[illegible]

CHATTANOOGA, TEN[illegible] Mfg. Co. has purchased a[illegible] and will double capacity o[illegible] ing several new factory [illegible] $35,000.

MEMPHIS, TENN.—F. W[illegible]NG, Builders' Exchange, has the ge[illegible]ontract for two-story printing office, 35[illegible]t., for J. E. Frank estate, care of Jone[illegible]Furbringer, Archs., Porter Bldg. Cost, [illegible]

CHATTANOOGA, TENN.—T[illegible]hattanooga Glass Co. will enlarge its p[illegible]nd make improvements at a cost of $2[illegible]

KNOXVILLE, TENN.—Ford, [illegible]on & Davis, for the Knoxville Tract[illegible]Co., have signed the contract with A. [illegible]NDERSON & CO., of Knoxville, to build [illegible] shops and sheds for company, at a cost of $7,000. The car houses and shops will be erected on Magnolia Ave., just outside of the city limits. The car house is to be 70 ft. [illegible] ft. and repair shops 95 ft. × 185 ft. These buildings are to be fireproof, terra cotta roof. Work will begin at once.

TOLEDO, O.—A. F. Smith, Engr., Nasby Bldg., has been employed to make plans for Toledo-Massillon Bridge Co., a [illegible]ly organized concern, which expects to erect a plant in Toledo. Cost, $100,000. C. A. Peckham, care of Bissell & Co., Huron St., is at head of company.

TOLEDO, O.—The Booth Column Co., Buckeye St., has had plans made for an addition to its factory. The present structure is 50 × 130 ft., and it will be doubled.

CLEVELAND, O.—We are informed Fredk. F. Hodges, Arch., Rose Bldg., is ready for bids for a factory building to be erected on West Side. Brick and steel, 1 and 2 stories, 202 × 147 ft.

GRAND RAPIDS, MICH.—Chas. A. Greenman Co., furniture manufacturers, have plans for an addition to their factory, on Seventh St. Brick or cement block, 3 stories, 35 × 100 ft. Chas. A. Greenman is Pres.

CHICAGO, ILL.—Dodge & Day, Engrs. & Archs., Philadelphia, Pa., made a preliminary examination of plant of Link Belt Machinery Co., Chicago. As a result, they have been further commissioned to make a thorough examination of the mechanical and electrical features with a view of making a layout that will accomplish in the most economical and efficient manner the scheme of changes and improvements contemplated by the management. It is probable the power plant will be enlarged, and considerable additional electrical equipment installed, as well as some new machine tools. This, however, will not be determined until the engineers have made their report.

EDWARDSVILLE, ILL.—Bids will be received by John Elble, Chn. Com. on Pub. Bldgs., care of County Clerk, until June 5, 12 m., for construction of laundry for new jail building.

SPRINGFIELD, ILL.—We are informed that the Springfield Boiler & Mfg. Co. will rebuild its plant recently destroyed by fire. The new building will be one-story, 150 × 300 ft., with steel frame and brick walls. Direct connected electric hydraulic pump and air compressors will be required. Current will be taken from city plant at present.

MILWAUKEE, WIS.—Contracts on new $100,000 factory building and warehouse of Abel & Bach Co., to be erected at Tenth and Clyburn Sts., are now being awarded, and work is soon to commence on structure proper, as the excavation is well under way. The carpentry work has been let to HERMAN SCHMIDT & SONS, 732 Jackson St.; the mason work to PAUL RIESEN'S SONS; A. MONSTED the concrete contract; F. BOGENBERGER & BRO., the Galvanized iron work, and WILLIAM BAILEY & SONS the structural iron work.

MINNEAPOLIS, MINN.—The Prince Construction Co., 516 Fourth St. S., is preparing plans and will erect a brick sash and door factory and boiler room and vault for Johnson, Smith Co., Washington Ave. S. E., and University Ave. Brick, mill construction, 2 stories, 50 ×100 ft. Boiler room to be one story, 25 × 52 ft. Cost, $10,000.

SIOUX FALLS, S. DAK.—A company has been organized here with $100,000 stock to operate a packing plant. Address W. B. Davenport, care of Board of Trade.

DIBOLL, TEX.—The Southern Pine Lumber Co. will add new machinery to its plant.

HOUSTON, TEX.—McCutcheon & Kennedy, 212 Main St., contemplate establishing canning factory.

LOMETA, TEX.—S. H. Burton contemplates erecting a roller flouring mill, and desires correspondence with manufacturers of machinery for same.

BONHARM, N. W. T.—The Bonharm Elevator Co. is calling for tenders for the following machinery for a 50,000-bushel elevator, 21 bins, more or less; 20-HP. gasoline engine; 1,500-bushel capacity cleaner; dump scale and dump; shipping scale and receiving scale, and car hauler. Address, John A. Shepherd, Secy., Moosejaw, N. W. T.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING.—Seattle, Wash. — Bids are asked until June 16 for dredging Whatcom (Bellingham) Harbor, Wash. Major John Millis, U. S. Engrs.

DREDGING.—Boston, Mass.—Bids are asked until June 15 for dredging in Mystic River, Mass. Col. W. S. Stanton, U. S. Engrs. (Advertised, Engineering News.)

JETTY WORK.—New Orleans, La.—Bids are asked until June 15 for jetty work at Sabine Pass. Lieut. Col. Capt. J. F. McIndoe, U. S. Engrs. (Advertised, Engineering News.)

SEA WALL.—National Soldiers' Home, Va.—Bids are asked by B. A. Beeson, Treas., Southern Branch, N. H. D. V. S., until June 15 for building about 850 ft. of sea wall.

DREDGING.—Wilmington, Del.—Bids are asked until June 26 for dredging harbor at Wilmington, Del. Capt. C. A. F. Flagler, U. S. Engr. (Advertised, Engineering News.)

DREDGING.—Savannah, Ga. — Bids are asked until June 30 for dredging in harbor at Savannah, Ga. Lt.-Col. James B. Quinn, U. S. Engrs. (Advertised, Engineering News.)

LEATHER BELTING, ETC.—Washington, D. C.—Bids are asked by Isthmian Canal Commission until June 12 for leather belting and belt hooks. (Advertised, Engineering News.)

DIKE AND RIPRAP.—Duluth, Minn.—Bids are asked until June 26 for pile dike and riprap at Grand Marais, Mich. Maj. Chas. L. Potter, Engrs. (Advertised, Engineering News.)

DREDGING.—Portland, Me.—Bids are asked until June 30 for dredging in York Harbor, Me. Maj. W. M. Black, Engrs. (Advertised, Engineering News.)

POWER DREDGE.—Chicago, Ill.—Bids are asked until July 1 for building a seagoing power dredge for Lincoln Park Commissioners. Wm. W. Tracy, Pres. (Advertised, Engineering News.)

DRAINAGE DITCH.—Papillion, Neb.—Bids are asked until noon, June 8, for construction of drainage ditch, 32,365 ft. long and requiring excavation 52,807 cu. yds. P. D. McCormick, County Clk.

DREDGING.—Charleston, S. C.—Bids are asked until June 26 for dredging canal between South Edisto and Ashepoo Rivers, S. C. Capt. G. P. Howell, U. S. Engr. (Advertised, Engineering News.)

JETTY WORK.—Galveston, Tex.—Bids are asked until June 28 for jetty work at Galveston, mouth of Brazos River and Aransas Pass. Captain Edgar Jadwin, U. S. Engrs. (Advertised, Engineering News.)

DREDGING.—Duluth, Minn. — Bids are asked until June 27 for dredging about 117,000 yds. in Cortage Lake Ship Canals, Keweenaw Point, Mich. Maj. Chas. L. Potter, Engrs. (Advertised, Engineering News.)

BREAKWATER.—Cleveland, O.—Bids are asked until June 20 for reconstructing and repairing parts of the West Pier at Lorain Harbor. Lt.-Col. Dan. C. Kingman, Corps of Engrs., U. S. A. (Advertised, Engineering News.)

WALL LOCKERS.—Washington, D. C.—Bids are asked until June 10 for furnishing f. o. b. at place of manufacture, 7,000 standard metal wall lockers. Capt. A. W. Butt, Q. M., U. S. A. (Advertised, Engineering News.)

STONE, BRUSH, POLES, ETC.—Vicksburg, Miss.—Bids are asked until June 20 for furnishing stone, brush, poles, wire, wire strand, staples, clips and Manilla rope. Capt. G. M. Hoffman, U. S. Engrs. (Advertised, Engineering News.)

LOCOMOTIVES, CARS.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 13 for furnishing at naval station, Guantanamo, Cuba, two locomotives and 16 6-yd. dump cars. H. T. B. Harris, Paym.-Gen., U. S. N.

PUMPING MACHINERY. — Washington, D. C.—Bids are asked until 3 p. m., June 9, for installation of pumping machinery for hydraulic lift at U. S. Custom-House and Post-Office Building, Newport News, Va. James Knox Taylor, Supervising Arch.

TERRACE WALL.—Holyoke, Mass.—Plans and specifications for construction of concrete masonry terrace wall for this city may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until June 12 as stated in our advertising columns.

CONCRETE DAM.—Iowa City, Ia.—Board of Regents of the State University of Iowa are asking bids until June 13 for construction of concrete dam across the Iowa River at this place. The advertisement appeared in our last week's issue and will also be found in the present issue.

BREAKWATER SUPERSTRUCTURE.—Buffalo, N. Y.—Following bids wre received May 29 by Lt. Col. H. M. Adams, U. S. Engrs., for stone superstructure for Buffalo breakwater: Andrew P. Lawton, Painesville, O., $97,392; Federal Contracting Co., New York, $112,125.

TELEPHONE SYSTEM.—Belle Fourche, S. Dak.—Bids are asked by the engineer, U. S. Reclamation Service, Belle Fourche, until June 26 for construction and completion of a telephone system about 16 miles in length, including four telephone stations. (Advertised, Engineering News.)

CONCRETE WORK.—Berlin, Ont.—Bids are asked until noon June 6 by Herbert J. Bowman, C. E., Berlin, for concrete work on boundary line between Waterloo and Wellington Counties; for concrete pier at Chamber Bridge over Grant River; for concrete arch 50 ft. span, over small stream near Winfield.

ROCK REMOVAL.—Newport, R. I.—Following bids were received May 23 by Lt.-Col. J. H. Willard, U. S. Engrs., for removing Weepecket Rock, Bussards Bay, Mass.: Chas. E. Davis, New Bedford, Mass., $1,380; Michael J. O'Donnell, 15 Elder St., Dorchester, Mass., $2,250; J. K. Sullivan, Newport, R. I., $1,844; R. C. Packard Co., 130 Pearl St., New York, $2,375.

SEA WALL.—Fort Mifflin, Pa.—Bids are asked by Bureau Supplies and Accounts, Washington, D. C., until June 20 for building a sea wall, 575 ft. long, at naval magazine, Fort Mifflin.

ROCK WORK.—Portland, Ore.—Bids are asked until June 20 for mattress, rock and pile work in connection with extension of jetty at mouth of Coquille River, Ore. Major W. C. Langfitt, U. S. Engrs.

PIER WORK.—New York, N. Y.—Maurice Featherson, Comr. Docks, is reported to have awarded contract for constructing new pier at foot of West 18th St. (bids received May 22) to GEORGE B. SPEARIN, 17 Battery Pl., New York, for $233,210.

WIRE CABLE, CEMENT, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until June 13 for furnishing naval supplies, among which are electrical supplies, wire cable, cement, sewer pipe, leather belting, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

DOCK.—Superior, Wis.—Hanna & Co., Cleveland, O., are reported to have awarded following contracts for construction of their new $300,000 dock at this place: Dredging and filling, LAKE SUPERIOR CONTRACTING & DREDGING CO., Superior; crib work and timber work, BARNETT & RECORD CO., Minneapolis, Minn.; machinery, JOHN E. MEAD CO., New York.

JETTY REPAIR.—Savannah, Ga.—Following bids were received May 19 by Lt.-Col. James B. Quinn, U. S. Engrs., for repairing jetty at Cumberland Sound, Ga., requiring 31,000 tons of stone: Simons-Mayrant Co., Charleston, S. C.; Roderick G. Ross, Jacksonville, Fla., $85,870 (recommended for acceptance).

DAM REPAIRS, ETC.—Rock Island, Ill.—Bids were received May 20 by Major C. S. Riche, U. S. Engrs., for construction and repair of dams and shore protection on upper Mississippi River, the bids recommended for acceptance being as follows: Savanna to Le Claire, $33,000 available, A. J. Whitney, Rock Island, Ill.; Rock Island to Burlington, $33,000 available, Albert Kirchner, Fountain City, Wis.; Burlington to Hannibal, $43,000 available, Albert Kirchner; Clarksville to Cap au Gris, $33,000 available, Marshall Rust, Pilot Grove, Mo.

CIVIL SERVICE EXAMINATIONS.

INSPECTOR.—New York Municipal Civil Service Commission, Henry Berlinger, Secy., 61 Elm St., New York, will hold an examination June 13 for the position of inspector of light and ventilation at a salary of $27 per week. Applications will be received by the Commission until 4 p. m., June 6. This examination is held to form an eligible list from which men will be certified for the position of heating and ventilating inspector in the Department of Education, where there are several vacancies.

For other Proposal Advertisements see pages 35, 36, 37, 38, 39, 40, 41 of Advertisements and Construction News page 212.

PROPOSALS FOR DOOR AND WINDOW SCREENS.—Office of the Constructing Quartermaster, Fort Totten, Willets Point, N. Y., May 24, 1905.—Sealed proposals for door and window screens for seven buildings at this post will be received at this office until 1.00 P. M., June 13th, 1905, and then opened. Necessary information furnished on application. Envelopes containing proposals should be marked "Proposals for Screens," and addressed CAPTAIN GEO. H. McMANUS, Constructing Quartermaster. 22-2t

U. S. ENGINEER OFFICE, 3232 Prytania St., New Orleans, La., May 26, 1905.—Sealed proposals for jetty work at Sabine Pass, Texas, will be received here until June 15, 1905, and then publicly opened. Information furnished on application to this office. J. F. McINDOE, Capt., Engrs. 22-2t

U. S. ENGINEER OFFICE, Savannah, Ga., June 1, 1905.—Sealed proposals for dredging in harbor at Savannah, Ga., will be received at this office until 12 M. (Eastern Standard Time), June 30, 1905, and then publicly opened. Specifications, blank forms, and all available information will be furnished on application to this office. JAMES B. QUINN, Lieut.-Col., Corps of Engineers. 22-4t

U. S. ENGINEER OFFICE, Jacksonville, Fla., May 15, 1905.—Sealed proposals for removing wrecks of the Ridgewood and Commodore Barney in St. John River, Fla., will be received here until 11 o'clock a. m., June 15, 1905, and then publicly opened. Information furnished on application. FRANCIS R. SHUNK, Major, Engrs. 20-4t

ENGINEER OFFICE, U. S. ARMY, Room 2, Custom House, Norfolk, Va., May 17, 1905.—Sealed proposals for dredging Perquimans River, N. C., will be received here until 12 M., June 19, 1905, and then publicly opened. Information furnished on application. E. EVELETH WINSLOW, Capt., Engrs. 21-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 18, 1905.—Sealed proposals will be received at this office until 3 o'clock P. M., on the 26th day of June, 1905, and then opened, for the construction, complete, of the U. S. Post Office at Niagara Falls, New York, in accordance with drawings and specifications, copies of which may be had at this office, or at the office of the Postmaster at Niagara Falls, New York, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 21-2t

PUMPS, GAS ENGINES, GAS PRODUCERS, BOILERS.

Toledo, O.

Sealed proposals will be received at the office of the Board of Public Service, Toledo, Ohio, until twelve o'clock noon, standard time, of the 30th day of June, 1905, and then publicly opened and read, for the construction, delivery and erection of the Low Service Pumping Machinery for the Improved Water Supply. Proposals will be received under either of the two alternative plans:

PLAN "A."—Two centrifugal pumps operated by gas engines with gas producers.

PLAN "B."—Two reciprocating, 90 to 135 million duty, steam pumping engines with boilers.

Each pump shall have a capacity of 15,000,000 U. S. gallons in twenty-four hours. The normal total lift will be sixty-three feet, the range being approximately from fifty to seventy-five feet.

Payment will be made as stipulated in the form of contract for the performance of the above work, and which form of contract is on file in the office of the Board of Public Service.

Copies of the specifications, forms of proposals, forms of bonds, and form of contract, can be obtained on and after June 3, 1905, by parties qualified to bid on the work on application to the Chief Engineer, Valentine Building, Toledo, Ohio, or Chas. L. Parmelee, Consulting Engineer, 136 Liberty Street, New York City.

Proposals must be accompanied with general plans and specifications sufficient to fully and distinctly show and describe all parts of the proposed plant as required by the specifications.

Each proposal or bid must contain the full name of every person or company interested in the same, and shall be accompanied by a bond, executed by the bidder and a Surety Company satisfactory to the Board of Public Service, on a form marked "A" and attached to the form of contract, in the sum of ten (10) per centum of the amount of the proposal or bid; or the bidder may deposit with the Board of Public Service, in lieu of such bond, a certified check on a solvent bank in the City of Toledo, Ohio, payable to the order of the Board of Public Service, equal in amount to the amount required in such bond.

Said bond or certified check is required as a guarantee that if the bid is accepted a contract will be entered into and the performance of it properly secured.

The contract bond will be fifty (50) per centum of the amount of the contract.

Labor and material bid for must be separately stated, with the price thereof.

Bidders must furnish satisfactory evidence of their experience and ability to construct machinery of the character required.

Bidders must use printed forms, as none other will be received.

The Board of Public Service reserves the right to reject any and all bids or to accept any bid which it may deem advantageous to the City of Toledo.

By direction of the Board of Public Service.

JOHN STOLLBERG,
President.

Attest:
HARRY JONES,
Secretary. 22-3t

The specifications may be seen at the office of Engineering News, 220 Broadway, New York.

WATER PIPE AND CASTINGS.

Newark, N. J., May 25th, 1905.

Sealed proposals will be received between 3.15 and 3.30 o'clock P. M. and opened at the last named hour on Thursday, June 8, 1905, at a public meeting of the Board of Street and Water Commissioners, 128 Halsey Street, Newark, N. J., for the following coated cast-iron water pipe and special castings:

585 gross tons from 4 to 8 inches.
620 gross tons from 10 to 16 inches.
75,000 pounds of ordinary specials.

All f. o. b. cars Newark, N. J., according to specifications, which will be furnished upon application to the undersigned. Proposals must be accompanied by the consent in writing of two sureties (resident of Essex County, N. J.) or surety company authorized to do business in New Jersey, who qualify as to their responsibility in the amount of the proposal, and agree to become sureties for the faithful performance of the contract if awarded.

By direction of the Board.

MORRIS R. SHERRERD,
Engineer and Superintendent Department of Water. 22-1t

LAYING CAST IRON PIPE AND SPECIAL CASTINGS.

Oswego, N. Y., May 29th, 1905.

Sealed proposals will be received by the Department of Water until Thursday, June 15th, 1905, at twelve o'clock noon, for laying the necessary pipe and special castings on land for the Lake Water extension. Specifications may be seen at this office and blank proposal sheets obtained.

All proposals must be endorsed "Proposals for Laying Cast-Iron Pipe and Special Castings," and must be accompanied by a certified check on an Oswego bank or a New York draft for one thousand dollars ($1,000.00), payable to the Department of Water of the City of Oswego, N. Y.

The Department of Water reserves the right to reject any and all bids.

F. W. ORMSBY,
22-2t Secretary.

ERECTION OF RESERVOIR.

City of Winnipeg, Man.

Sealed tenders, addressed to the Chairman of the Fire, Water and Light Committee for the construction of a covered Concrete Reservoir, to hold 6,000,000 Imperial gallons, will be received at the office of the undersigned up to 3.30 p. m., on Monday, July 3, 1905.

Plans may be seen at the office of H. N. Ruttan, city engineer, Winnipeg, Canada, from whom specifications and forms of tender may be obtained.

Each tender must be accompanied by an accepted cheque, draft or cash deposit for the sum called for in the form of tender supplied, which will be subject to forfeiture in case of failure on the part of the contractor to enter into a written contract with approved sureties, if called upon to do so.

The city reserves the right to reject any or all tenders or to accept any bid which appears advantageous to the city of Winnipeg.

C. J. BROWN,
City Clerk.

City Clerk's Office,
Winnipeg, May 27, 1905. 22-3t

GENERAL DEPOT OF THE QUARTERMASTER'S DEPARTMENT, Washington, D. C., June 1, 1905.—Sealed proposals in triplicate will be received at this office until 2 o'clock P. M., Saturday, June 10, 1905, and then opened, for furnishing F. O. B. at place of manufacture, Seven Thousand (7,000) Standard Metal Wall Lockers, adopted by the Quartermaster's Department for barracks. A sample locker, showing method of construction, may be seen at this office. Blank forms for proposals, blue-prints and specifications, may be obtained on application to this office. The right is reserved to reject any or all proposals, or to accept any part thereof. Envelopes containing proposals must be marked "Proposals for Wall Lockers," and addressed to CAPT. A. W. BUTT, Quartermaster, U. S. Army, In Charge of Depot. 22-2t

PROPOSALS FOR CONSTRUCTING BREAKWATER.—U. S. Engineer Office, 262 Huron Street, Cleveland, Ohio, May 31, 1905.—Sealed proposals for Reconstructing and Repairing Parts of the West Pier at Lorain Harbor, Ohio, will be received at this office until 2 p. m., June 20, 1905, and then publicly opened. Specifications, blank forms and all available information will be furnished on application to this office. DAN. C. KINGMAN, Lieut.-Col., Corps of Engineers, U. S. A. 22-3t

U. S. ENGINEER OFFICE, 537 Congress St., Portland, Me., May 29, 1905.—Sealed proposals for dredging in York Harbor, Me., will be received here until 12 M., June 30, 1905, and then publicly opened. Information furnished on application. W. M. BLACK, Maj., Engrs. 22-4t

U. S. ENGINEER OFFICE, Wilmington, Del., May 27, 1905.—Sealed proposals for dredging Harbor at Wilmington, Del., will be received here until 11 a. m., June 26, 1905, and then opened. Specifications, blank forms, etc., furnished on application. C. A. F. FLAGLER, Capt., Engrs. 22-4t

U. S. ENGINEER OFFICE, Newport, R. I., May 29, 1905.—Sealed proposals for enlarging draw opening in Stone Bridge over Sakonnet River, Tiverton, R. I., will be received here until 11 a. m., June 28, 1905, and then publicly opened. Information furnished on application. J. H. WILLARD, Lt.-Col., Engrs. 22-4t

U. S. ENGINEER OFFICE, Duluth, Minn., May 27, 1905.—Sealed proposals for dredging about 117,000 yards in Portage Lake Ship Canals, Keweenaw Point, Michigan, will be received here until noon, June 27, 1905, and then publicly opened. Information on application. CHAS. L. POTTER, Major, Engrs. 22-4t

U. S. ENGINEER OFFICE, Duluth, Minn., May 27, 1905.—Sealed proposals for pile dike and riprap at Grand Marais, Mich., will be received here until noon, June 26, 1905, and then publicly opened. Information on application. CHAS. L. POTTER, Major, Engrs. 22-4t

U. S. ENGINEER OFFICE, Boston, Mass., May 26, 1905.—Sealed proposals for dredging in Mystic River, Mass., will be received here until 12 M., June 26, 1905, and then publicly opened. Information on application. W. S. STANTON, Col., Engrs. 22-4t

ELECTRIC LIGHT PLANT.

Kearny, N. J., June 1st, 1905.

Sealed proposals for furnishing the material and performing the work required in the erection of a Municipal Electric Lighting Plant will be received by the Mayor and Council of the Town of Kearney, N. J., at a meeting to be held at the Town Hall on Wednesday, June 14th, 1905.

The Council will be in session to receive bids from 8.00 to 9.00 o'clock in the evening.

Proposals properly endorsed must be presented personally and at no other time or place and must be made out in accordance with the form accompanying each specification.

Separate proposals must be made on each of the following items:

(1) Power House and Foundations.
(2) Chimney and Breeching.
(3) Boilers and Steam Fittings.
(4) Engines.
(5) Generators and Exciters.
(6) Switchboard, Wiring, Transformers, Pole Line and Fixtures.
(7) Arc Lamps.

Plans and specifications may be seen at the office of the engineers, Runyon & Carey, 122 Market St., Newark, N. J., and at the office of the Engineering News, 220 Broadway, New York, N. Y.

The right is reserved to reject any or all bids.

T. C. WILDMAN,
22-2t Town Clerk.

INLETS, ETC.

Atlantic City, N. J.

Sealed bids or proposals, endorsed "Proposals for Constructing Inlets," with the name of the person or corporation making the bid, will be received by the City Clerk, at Council Chambers, in the City Hall, between the hours of 8.00 and 8.30 o'clock P. M., Monday, June 5, 1905, during a session of City Council.

The City Engineer's estimate of the work to be done under the above title, by which the bids will be tested is the furnishing and setting of:

48 Cast iron inlet frames and grates 2 feet long.
36 Cast iron inlet frames and grates 3 feet long.
47 Cast iron collars 20" × 12"
16 Cast iron collars 32" × 12"
9 Cast iron collars 32" × 18"
48 Brick inlet wells 21" × 26"
18 Brick inlet wells 33" × 26"
9 Brick inlet wells 75" × 26"

No proposal will be received or considered unless accompanied by a certified check upon a National or State Bank or Trust Company, drawn to the order of John A. Jeffries, City Treasurer, for the sum of Five Hundred Dollars ($500).

Surety Company Bond will be required in the sum of One Thousand Dollars ($1,000).

The City Council reserves the right to reject any or all bids if it shall deem it for the public interest so to do.

Blank forms of Proposal, Notice to Contractors, Contract and Specifications, and further information, if required, can be obtained upon application at the office of the City Engineer, Room 622 Bartlett Building.

EDWARD S. JOHNSON,
CHARLES W. MATHIS,
DANIEL KNAUER,
JOHN DONNELLY,
EDWIN A. PARKER,
Street Committee.

J. W. HACKNEY,
City Engineer. 22-1t

POWER-DREDGE.

Chicago, Ill.

Bids will be received at this office until noon July 1st for building a sea-going Power Dredge for the Commissioners of Lincoln Park. Specifications may be seen at the office of the Commissioners, Clark and Center Streets.

WM. W. TRACY, President,
Lincoln Park Commissioners,
Attest, Chicago, Ill.
R. H. WARDER, Secy. 22-3t

DEPARTMENT OF THE INTERIOR, Washington, D. C., May 24, 1905.—Sealed proposals, in duplicate, will be received at the Department until two o'clock p. m., Thursday, June 29, 1905, and then opened in the presence of such persons as may attend, for the construction of a new Freedmen's Hospital building and accessories at Washington, D. C., in accordance with the drawings and specifications, copy of which specifications and form of proposal may be had and the drawings inspected upon application at this Department. The right is reserved to reject any and all bids, to accept one part and reject the other, and to waive technical defects, as the interests of the Government may require. E. A. HITCHCOCK, Secretary. 22-4t

LAKE STREET BRIDGE.

Elmira, N. Y.

Sealed proposals, addressed to the Lake Street Bridge Commission, Elmira, N. Y., and marked "Proposal for Lake Street Bridge" will be received by the undersigned until 4 P. M., June 15, 1905.

Said proposals to be for the metal work completed, including the necessary remodelling of masonry, and separately, for twenty-two (22) foot, twenty-three (23), and twenty-four (24) foot roadways, and two eight (8) foot walks, and of sufficient strength under Cooper's specifications for combined wagon traffic and a double track electric railway for heavy interurban traffic, provision to be made for carrying, under the sidewalks, water, manufactured and natural gas mains, and telegraph and telephone cables and conduits, and to carry a four inch brick pavement on concrete, or other pavement of equal weight.

Bids to be for a net lump sum for the bridge completed except paving and sidewalk planking, and the contractor to accept and remove the present bridge of three spans of about 180 feet each, as part of the consideration.

Also a lump sum price for marking the members of the old bridge and removing and piling them up for the city in a designated location.

Each proposal must be accompanied by plans, strain sheets and complete specifications, and such additional explanatory statements as may be deemed necessary or advisable by the bidder.

Proposals for furnishing any kind of a new bridge filling the requirements will be received and entertained.

Map, profile and statement of general requirements may be seen at the office of the City Engineer of Elmira.

Each bidder's proposal, or proposals, must be accompanied by a certified check on an approved bank for $6,000.00, payable to the order of the City of Elmira.

No bids will be entertained from other than bidders having their own plant, and in position to make a quick and satisfactory delivery.

Right reserved to reject any or all bids.

Checks will be returned to unsuccessful bidders.

JERVIS LANGDON, Secy.
110 Baldwin St., Elmira, N. Y. 22-2t

CONCRETE STEEL WORK, ETC.

Towson, Md.

Proposals will be received for certain new Concrete and Steel Cell Work, Plumbing, Window Guards, etc., to be furnished and erected in the Baltimore County Jail Building at Towson, Md.

All bids to be submitted not later than June 16th, 1905.

The County Commissioners of Baltimore County reserve the right to reject any and all bids.

A certified check for the sum of $200, drawn payable to the order of the County Commissioners of Baltimore County, must accompany each bid as a guarantee that the successful bidder will execute the contract.

Drawings and specifications can be seen on and after June 2, 1905, at the office of the County Commissioners, at Towson, Md., or at the office of Jas. S. Nussear, Jr., Architect, 7 Clay Street, Baltimore, Md. 22-3t

BRICK PAVING.

Tamaqua, Pa.

Sealed proposals for paving a portion of Mauch Chunk Street from Broad Street to Pine Street, and the required intersections, with Vitrified Shale Paving Bricks or Blocks on a Cement Concrete foundation, will be received by the Town Councils of the Borough of Tamaqua, Pa., until 8 o'clock P. M., Tuesday, June 6th, 1905. The work consists of about 2,500 square yards of Paving.

Plans and specifications may be seen and blank forms of proposals had at the offices of the Engineers and the Borough Secretary. Bidders must be skilled and experienced in this class of work. A certified check for $250 must accompany all proposals. The Councils reserve the right to reject any or all bids.

W. F. LEOPOLD,
Secretary.
LEHIGH ENG. CO., Engineers,
22-1t Allentown, Pa.

IMPROVING MISSISSIPPI RIVER—3D DISTRICT.—United States Engineer Office, 108 West Crawford St., Vicksburg, Miss., May 30, 1905.—Sealed proposals, in triplicate, for furnishing stone, brush, poles, wire, wire strand, staples, clips and manila rope, will be received at this office until 10 o'clock A. M., June 20, 1905, and then publicly opened. Specifications, blank forms and all available information furnished on application to this office. G. M. HOFFMAN, Captain, Corps of Engineers. 22-3t

SALE OF STONE CRUSHER.

Sealed proposals will be received at the office of the Superintendent of Streets, Room 18, City Hall, until 12 o'clock m., Saturday, June 10th, 1905, for the purchase and removal of a No. 5 Gates Crusher, with Stationary Engine, Revolving Screen, Elevator and Bins now located off Fourteenth street, between Bedford and Pleasant streets, and belonging to the Street Department of the City of Fall River.

The plant may be inspected by making application at the office of the Superintendent of Streets any week day between the hours of 9 o'clock a. m. and 4 o'clock p. m.

The proposal must state the price for the entire plant, in its present condition. The successful bidder will be required to remove the plant within thirty (30) days from the awarding of the contract.

The undersigned reserves the right to reject any or all proposals.

Proposals must be indorsed "Proposals for Crusher Plant," and addressed to the undersigned.

FRANK A. THURSTON,
Superintendent of Streets.
May 23d, 1905. 22-2t

SEWER EXTENSION.

Galveston, Texas.

City Engineer's Office, Galveston, Tex., May 22, 1905.—Sealed proposals will be received at the office of the City Secretary until 12 o'clock m., June 22, 1905, and opened at the first regular or adjourned meeting thereafter, for the extension of the Thirty-Third street sewer from its present dead end (33d and Church sts.) to the south side of Broadway, also leads, manholes, catch basins and appurtenances thereto, in accordance with plans and specifications on file in the office of the City Engineer, which can be obtained after June 1, 1905. Each proposal must be accompanied by a certified check in the sum of ($2,500) twenty-five hundred dollars, made payable to the order of the City Treasurer. A bond in the sum of 50 per cent. of the contract price will be required for the faithful performance of the contract. Sureties must be satisfactory to the City Commissioners. The City Commissioners reserve the right to reject any and all bids, or to accept the proposal deemed by them to be for the best interest of the city. H. C. LANGE, Commissioner of Water-Works and Sewerage. C. G. WELLS, City Engineer. JOHN D. KELLEY, City Secretary. 22-1t

BRICK PAVING.

Freeport, Ill.

Sealed proposals will be received by the Board of Local Improvements up to 2 P. M., Saturday, June 3, 1905, for brick paving and cement curb and gutter on Liberty Street. Certified check 10% of bid. Estimated cost, $46,000. G. W. GRAHAM,
22-1t City Engr.

DEPARTMENT OF THE INTERIOR, United States Geological Survey, Reclamation Service, Washington, D. C., May 23, 1905.—Sealed proposals will be received at the office of the Engineer, U. S. Reclamation Service, Belle Fourche, S. Dak., until 2 o'clock p. m., Monday, June 26, 1905, and thereafter opened, for the construction and completion of a telephone system, about 16 miles in length and having 4 telephone stations, in connection with the Belle Fourche project, near Belle Fourche, S. Dak. Specifications, forms of proposals, and particulars may be obtained from the Chief Engineer of the Reclamation Service, U. S. Geological Survey, Washington, D. C., or the Engineer in charge of the Belle Fourche project, Belle Fourche, S. Dak. Each bid must be accompanied by a certified check for 2 per cent. of the contract price, payable to the order of the Secretary of the Interior, as a guaranty that the bidder will, if successful, promptly execute a satisfactory contract and furnish bond in the sum of 20 per cent. of the contract price for the faithful performance of the work. The right is reserved to reject any or all bids, to accept one part and reject the other, and to waive technical defects as the interests of the service may require. Proposals must be marked "Proposals for telephone system, Belle Fourche project, S. Dak." E. A. HITCHCOCK, Secretary. 22-4t

FORT MONROE, VA., May 23, 1905.—Sealed proposals, in triplicate, for construction, plumbing, heating and electric wiring for three single and one double officers' quarters, seven double N. C. officers' quarters, Commissary, Q. M. office and Galvanometer house (all of brick) at Fort Monroe, Va., will be received here until 12 M., June 24, 1905. U. S. reserves right to accept or reject any or all proposals or any part thereof. Information furnished on application. Envelopes containing proposals should be marked "Proposals for Public Buildings," addressed C. P. TOWNSLEY, Q. M. 22-4t

U. S. ENGINEER OFFICE, Galveston, Tex., May 29, 1905.—Sealed proposals, in triplicate, for jetty work at Galveston, mouth of Brazos River and Aransas Pass will be received here until 11 A. M., June 28, 1905, and then publicly opened. Information furnished on application. EDGAR JADWIN, Capt., Engrs. 22-4t

DEPARTMENT OF THE INTERIOR, Office of Superintendent of Capitol Building and Grounds, Washington, D. C., May 24th, 1905.—Sealed proposals will be received at the above office until 2 o'clock P. M., June 14th, 1905, for furnishing electric lighting fixtures and wiring, and heating apparatus and sundry work, U. S. Capitol Building, reconstruction of the sky-lights over the Hall of Representatives and the House and such as cement, building material, concrete sand, broken stone, gravel and for the construction of the Senate and House Office Buildings. Plans, specifications and proposal sheets for the above items may be forwarded to intending bidders on application. The right is reserved to reject all bids and to waive technicalities. TH. WOODS, Superintendent U. S. Capitol Building and Grounds. Approved, E. A. HITCHCOCK, Secretary. 22-3t

CONSTRUCTING QUARTERMASTER'S OFFICE, Oswego, N. Y., May 20, 1905.—Sealed proposals in triplicate will be received at this office until 11.00 A. M., June 15, 1905, and then publicly opened for Construction, Plumbing, Heating and Electric Wiring of two double Brick Barracks, one Brick Band Barrack, at Madison Barracks, New York. Plans, specifications, general instructions to bidders, blank forms of proposals, and all necessary information may be obtained at this office upon application. Plans and specifications may also be seen at the office of the Constructing Quartermaster, Burlington, Vt. A guarantee fund in the amount of 10% of the bid must accompany same. Proposals should be marked "Proposals for Building at Madison Barracks, N. Y." and addressed to CAPTAIN W. M. POULLING, Quartermaster, U. S. Army, Oswego, N. Y. 22-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C. May 27, 1905.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 20th day of July, 1905, and then opened, for the construction of the U. S. Custom House at San Francisco, California, in accordance with the drawings and specifications, copies of which may be had at this office or at the office of Messrs. Eames and Young, 711 Lincoln Trust Building, St. Louis, Mo., and at the office of the Superintendent of Construction of the U. S. Post Office, Court House, etc., at San Francisco, California, at the discretion of the Supervising Architect. Applications must be accompanied by a certified check for $200.00 the proceeds of which will be held at this office until the return of the drawings and specifications. JAMES KNOX TAYLOR, Supervising Architect. 22-2t

PROPOSALS FOR LEATHER BELTING AND BELT HOOKS.—Office Isthmian Canal Commission, Washington, D. C., May 29, 1905.—Sealed proposals, in triplicate, will be received at the office of the Purchasing Agent, Isthmian Canal Commission, Washington, D. C., until 10.30 A. M., June 12, 1905, at which time they will be opened in public, for furnishing above mentioned supplies. Blanks and full information may be obtained from this office, or offices of Asst Purchasing Agent, 24 State St., N. Y. City, or Asst Purchasing Agent, at Custom House, New Orleans, La. H. J. GALLAGHER, Major, U. S. Army, Purchasing Agent. 22-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 22, 1905.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 28th day of June, 1905, and then opened, for the construction complete of the U. S. Post Office at Westchester, Pennsylvania, in accordance with the drawings and specifications, copies of which may be had at this office or at the office of the Postmaster at Westchester, Pa., at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 21-2t

SITUATIONS OPEN

WANTED—TO PURCHASE A KILN for burning magnesite or dolomite and making carbonic acid. Also a MECHANICAL ENGINEER TO LAY OUR PLANT. Address, "Dolomite," Engineering News, New York. 22-2t

WANTED.—At once, near New York City, foreman experienced in driven well works. Address, Box 46, Mount Vernon, N. Y. 22-1t

WANTED.—Assistant foreman, familiar with blueprints, to have charge of punchers and layer-outs, and able to turn out work at low cost in structural iron and bridge shop; also rivet machine men and heaters. Address "COMPETENT," Engineering News, Monadnock Bldg., Chicago, Ill. 22-1t

WANTED.—A fairly experienced computer for real estate surveys and sub-division work. Must be an expert. Familiar with curve work and immediately available. Others please not apply. Address, stating salary expected, JOHN M. FARLEY, White Plains, N. Y. 22-1t

WANTED

Competent Pile Driver Foreman Immediately

Experience required with steam hammer in difficult material.

KOSMOS ENGINEERING CO.
22-1t 26 Adams Street, Brooklyn, N. Y.